



TWENTY-THIRD INTERNATIONAL JOINT CONFERENCE ON ARTIFICIAL INTELLIGENCE

AI and Computational Sustainability

**AUGUST 3-9, 2013
BEIJING, CHINA**

Beijing International
Convention Center (BICC),
www.ijcai-13.org

Organized by:

International Joint Conferences on Artificial
Intelligence Organization

Institute of Automation,
Chinese Academy of Sciences

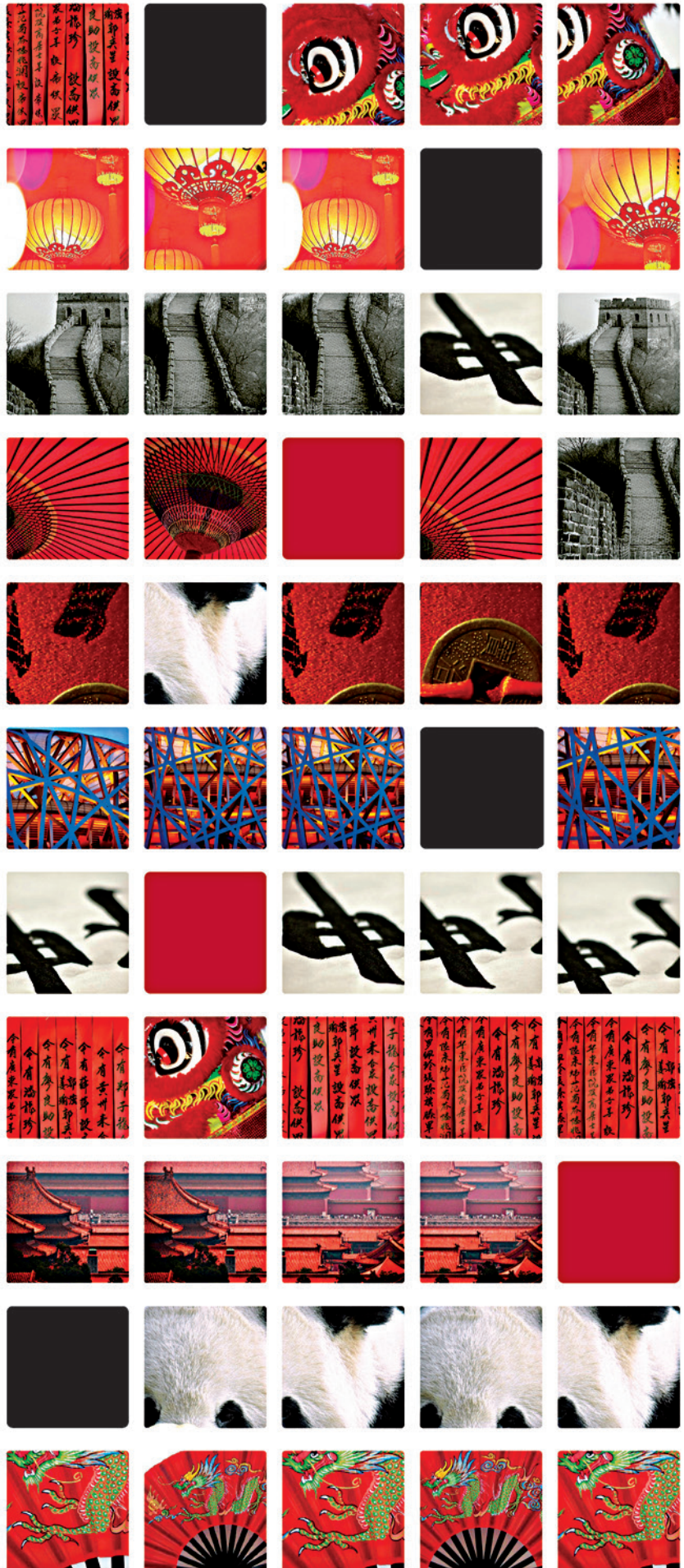
Chinese Association of Automation

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Welcome to IJCAI-13

WELCOME TO THE TWENTY-THIRD INTERNATIONAL JOINT CONFERENCE ON ARTIFICIAL INTELLIGENCE!

We are excited to welcome you to one of the most vibrant scientific events in the field of Artificial Intelligence. The IJCAI conference is not only the oldest major AI conference. It is also one of the most active, with presentations, workshops, tutorials, and competitions spanning almost all areas of AI. For the first time in IJCAI's 44 year history, IJCAI is hosted in Beijing, China. With this choice, the IJCAI family welcomes a strong and quickly growing Chinese AI community into the world of international AI.

This year, we have assembled an exciting conference planned with an outstanding technical program, a social program, and numerous conference-related events. The theme of this year's conference is *AI and Computational Sustainability*. Our signature track features 26 papers on computational sustainability.

36 best paper awardees from sister conferences will also present their work, in our Best Papers and Best Thesis track. Also, for the first time IJCAI has a Journal track, which includes 12 presentations summarizing work that has been published in AI journals but was never presented at a conference.

In addition to these special presentations, IJCAI's regular track features 413 papers, selected from 1,473 submissions. All papers are presented as a poster, and 195 of them will also be presented orally in parallel conference sessions. IJCAI features 10 plenary talks, comprised of 8 invited keynotes, the Computer and Thoughts Award talk by Kristen Grauman and the Research Excellence Award talk by Hector Levesque. Moreover, the program includes a presentation on the debate on autonomous weapons and a panel on the future of society if AI were to succeed, both with exciting panelists from within and outside the field of AI.

IJCAI's 33 workshops and 24 tutorials cover most aspects of AI and provide an informal setting to learn and discuss new ideas. This year, workshops and tutorials will take place in Tsinghua University, one of the oldest and most significant universities in Asia. The doctoral consortium offers a forum for PhD students to present and discuss their work with senior researchers in the field. As in previous years, IJCAI will have a video competition, and winning videos will be on display throughout the conference. We also sponsor an AI competition using Angry Bird as the testbed for advancing AI.

The IJCAI Opening and Reception on Monday evening will be held outside the BICC (Beijing International Convention Center) where the main conference is held. The conference banquet will bring us to the Chinese National Convention Center, a spectacular building adjacent to the famous Bird's Nest.

Beijing is an exciting location, and we recommend all attendees to take a few extra days to travel the country and discover the treasures of China. China's Great Wall, the only man-made structure visible from Space, is easily reached on a day trip from Beijing. The Forbidden City, the largest ancient palatial structure in the world, is also just a short bus ride away from the conference location. China is a vast country with unparalleled natural and cultural treasures. We highly recommend to take the time to explore this beautiful and vibrant place. And we hope you will enjoy IJCAI 2013!

Sebastian Thrun, Francesca Rossi, Derong Liu, Fei-Yue Wang, Maosong Sun

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IJCAI 2013 opening and reception

Monday, August 5

18:30

BICC

Free for IJCAI-13 attendees

The IJCAI-13 Opening Ceremony will take place at 18:30 hours at the BICC. Sebastian Thrun, IJCAI-13 Conference Chair, will chair the Opening Ceremony. During the opening ceremony, the following awards will be given: Distinguished Services award and the IJCAI/JAIR award, and the following awards will be announced: Computers and Thought Award, Research and Excellence Award, the IJCAI Distinguished Papers Awards, AI and Sustainability Special Track Outstanding Papers and AI Journal Prominent Paper Award and the Classic Paper Award.

IJCAI 2013 conference banquet

Wednesday, August 7

18:30

China National Conference Center

Address: No.7 Tianchen East Road, Chaoyang District,
Beijing 100105 China

Free for IJCAI-13 attendees

Dinner and entertainment by the local artists are included in the registration fee.

Exhibition

August 6-9

On the 2nd and 3rd floor of BICC

The IJCAI 2013 Exhibits Program at IJCAI-13 will provide companies and academic institutions with means to make visible their position in the field, and provide conference participants with examples of the current uses, needs and opportunities for Artificial Intelligence.

Exhibitors are: ABB, Aldebaran Robotics, Baidu, Tianlian Tech, Huawei, IBM, Microsoft, NVIDIA, Yahoo, Elsevier, Springer, Taylor & Francis, IOS, IJCAI-15, and IJCAI-17. Roboy (University of Zurich) will also be on display at this year's exhibition.

We have ABB, Baidu, Tianlian Tech, Huawei, IBM, Google, Microsoft, NVIDIA, Yahoo, Elsevier, Springer, Taylor & Francis, IOS, IJCAI-15, and IJCAI-17 to come to exhibit. Roboy will also be on display at this year's exhibition.

IJCAI 13 Awards

The IJCAI-13 Award for Research Excellence and the Computers and Thought Award are awarded by the IJCAI Board of Trustees, upon recommendation by the IJCAI-13 Awards Selection Committee, which in 2013 consisted of:

- Jaime Carbonell, Carnegie Mellon University (USA)
- Tom Dietterich, Oregon State University (USA)
- Fausto Giunchiglia, University of Trento (Italy)
- Ramon Lopez de Mantaras, II-IA-CSIC (Chair), and
- Peter Stone, University of Texas at Austin (USA) .

The IJCAI Awards Selection Committee receives advice from members of the IJCAI-13 Awards Review Committee, who comment on the accuracy of the nomination material and provide additional information about the nominees. The IJCAI-13 Awards Review Committee is the union of the former Trustees of IJCAI, the IJCAI-13 Advisory Committee, the Program Chairs of the last three IJCAI conferences, and the past recipients of the IJCAI Award for Research Excellence and the IJCAI Distinguished Service Award, with nominees excluded.

IJCAI-13 AWARD FOR RESEARCH EXCELLENCE



The Research Excellence award is given to a scientist who has carried out a program of research of consistently high quality yielding several substantial results. Past recipients of this honor are the most illustrious group of scientists from the field of Artificial Intelligence;

They are: John McCarthy (1985), Allen Newell (1989), Marvin Minsky (1991), Raymond Reiter (1993), Herbert Simon (1995), Aravind Joshi (1997), Judea Pearl (1999), Donald Michie (2001), Nils Nilsson (2003), Geoffrey E. Hinton (2005), Alan Bundy (2007), Victor Lesser (2009) and Robert Anthony Kowalski (2011).

The winner of the 2013 Award for Research Excellence is **Hector Levesque**, Professor of Computer Science at the Department of Computer Science of the University of Toronto. Professor Levesque is recognized for his work on a variety of topics in knowledge representation and reasoning, including cognitive robotics, theories of belief, and tractable reasoning.

IJCAI-13 COMPUTERS AND THOUGHT AWARD



The Computers and Thought Award is presented at IJCAI conferences to outstanding young scientists in artificial intelligence. The award was established with royalties received from the book, *Computers and Thought*, edited by Edward Feigenbaum and Julian Feldman. It is currently supported by income from IJCAI funds. Past recipients of this honor have been: Terry Winograd (1971), Patrick Winston (1973), Chuck Rieger (1975), Douglas Lenat (1977), David Marr (1979), Gerald Sussman (1981), Tom Mitchell (1983), Hector Levesque (1985), Johan de Kleer (1987), Henry Kautz (1989), Rodney Brooks (1991), Martha Pollack (1991), Hiroaki Kitano (1993), Sarit Kraus (1995), Stuart Russell (1995), Leslie Kaelbling (1997), Nicholas Jennings (1999), Daphne Koller (2001), Tuomas

Sandholm (2003), Peter Stone (2007), Carlos Guestrin (2009), Andrew Ng (2009), Vincent Conitzer (2011) and Malte Helmert (2011).

The winner of the 2013 IJCAI Computers and Thought Award is **Kristen Grauman**, Associate Professor in the Department of Computer Science, University of Texas at Austin.

Professor Grauman is recognized for her fundamental contributions to recognition and search problems in computer vision.

DONALD E. WALKER DISTINGUISHED SERVICE AWARD



The IJCAI Distinguished Service Award was established in 1979 by the IJCAI Trustees to honor senior scientists in AI for contributions and service to the field during their careers. Previous recipients have been: Bernard Meltzer (1979), Arthur Samuel (1983), Donald Walker (1989), Woodrow Bledsoe (1991), Daniel G. Bobrow (1993), Wolfgang Bibel (1999), Barbara Grosz (2001), Alan Bundy (2003), Raj Reddy (2005), Ronald J. Brachman (2007), Luigia Carlucci Aiello (2009) and Raymond C. Perrault (2011).

At IJCAI-13, the Donald E. Walker Distinguished Service Award will be given to **Wolfgang Wahlster**, CEO and Scientific Director of the German Research Center for Artificial Intelligence and Professor at the Saarland University. Professor Wahlster is recognized for his substantial contributions, as well as his extensive service to the field of Artificial Intelligence throughout his career.

IJCAI-JAIR Best paper prize

Monday, August 5, 2013
19:00h
Green lawn outside BICC

The 2013 IJCAI-JAIR Best Paper Prize is awarded to an outstanding paper published in JAIR in the preceding five calendar years. Funding for this award is provided by the IJCAI organization.

Adaptive Submodularity: Theory and Applications in Active Learning and Stochastic Optimization
Daniel Golovin, Andreas Krause

The talk about this paper will be presented in Room 201CD on August 6, 2013, at 14:20.

ECCAI Thesis Award

August 6, 2013
14:50h
Room 201CD

2012 Artificial Intelligence Dissertation Award sponsored by ECCAI, the European Coordinating Committee for Artificial Intelligence, has been awarded to:

Tias Guns
KU Leuven, Belgium, for his thesis:
“Declarative Pattern Mining using Constraint Programming”

This Award includes a certificate signed by the ECCAI Chair and **1,750** Euros.

AI Journal Awards

2013 Prominent Paper Award:
Thomas Eiter, Giovambattista Ianni, Thomas Lukasiewicz, Roman Schindlauer, Hans Tompits: Combining answer set programming with description logics for the Semantic Web. *Artificial Intelligence* 172(12-13): 1495-1539 (2008) has been selected for the award in 2013.

This paper proposes dl-programs, a formalism that integrates description logics with rule-based logic programs under answer set semantics. It provides not only detailed theoretical analyses of these programs in terms of their expressive power and computational complexities, but

also an implementation that illustrates the usefulness of the proposed formalism in the semantic web. This work highlights many difficult issues in the problem of adding rules and default rules into description logics, and has been very influential in subsequent work in this area.

2013 Classic Paper Awards:
– *Richard Fikes, Nils J. Nilsson:* STRIPS: A New Approach to the Application of Theorem Proving to Problem Solving. *Artificial Intelligence* 2(3/4): 189-208 (1971)

This paper lays the foundations and initial algorithms for what has become to be known as classical planning in AI where an agent has to perform deterministic actions for transforming a given initial state into a goal state from a declarative and compact representation of the actions. For this, the paper combines ideas from logic and problem solving in the formulation of a domain-independent problem solver where the states are characterized by first-order logical formulas, and operators are characterized by three sets of formulas -- the precondition, add, and delete lists. The representation provides a practical solution to the frame problem, which with some variations, is still in use in current classical and non-classical planners alike. The basic STRIPS planning algorithm provides in turn the basis for linear and non-linear planning algorithms, and for the view of domain-independent classical planning as a path-finding problem in the graph of states.

– *Alan K. Mackworth:* Consistency in Networks of Relations. *Artificial Intelligence* 8(1):99-118 (1977)

This seminal paper in the field of AI devoted to solving constraint satisfaction problems (CSPs), contains three foundational contributions. First, the paper contributes a fundamental insight for improving the performance of backtracking algorithms on CSPs by identifying that local inconsistencies can lead to much thrashing or unproductive search. Second, the paper presents clear definitions of conditions that characterize the level of local consistency of a CSP, notably including the concept of arc consistency, and precise algorithms for enforcing these levels of local consistency by removing inconsistencies. Such algorithms have come to be known as constraint propagation algorithms. Third, the paper advocates the use of constraint propagation at each node in the search tree, a technique that is now the foundation of all open source and commercial constraint programming systems. The paper has been immensely influential in establishing, and guiding the research agenda of, the field of constraint programming.

Conference at a glance

Day	Morning	Afternoon	Evening
August 3	Registration, Workshops and Tutorials	Registration, Workshop and Tutorials	
August 4	Registration, Workshops and Tutorials	Registration, Workshop and Tutorials	
August 5	Registration, Workshops and Tutorials	Registration, Workshop and Tutorials	Opening Ceremony and Reception
August 6	Registration, IJCAI technical program (invited talks), Computer and Thought Award Lecture, Angry Birds AI Competition	Registration, IJCAI technical program (papers, posters), Computer and Thought Award Lecture, IJCAI 2013 Distinguished Papers, ECCAI 2013 Dissertation Award, IJCAI-JAIR 2013 Best Paper, Best Papers in Sister Conferences Track, Angry Birds AI Competition	
August 7	Registration, IJCAI technical program (papers, posters), Best Papers in Sister Conferences Track, Journal Track, Angry Birds AI Competition	Registration, IJCAI technical program (invited talks, papers, posters), Debate, Best Papers in Sister Conferences Track, Journal Track, Angry Birds AI Competition	Banquet
August 8	Registration, IJCAI technical program (invited talks, papers, posters), Robot Competition Award Ceremony, Video Competition Award Ceremony, Research Excellence Lecture, Angry Birds AI Competition, IJCAI Annual Business Meeting	Registration, IJCAI technical program (papers, posters), Best Papers in Sister Conference Track, Angry Birds AI Competition	
August 9	Registration, IJCAI technical program (papers, posters), Best Papers in Sister Conferences Track, Journal Track, Angry Birds AI Competition	IJCAI technical program (invited talks), Panel, Angry Birds AI Competition Award Ceremony, Closing Event	

Events/Activities included in the registration fee

24 tutorials
All lunches
Opening reception
Banquet
Exhibition program
Robot demonstrations
Angry Birds AI competition

Co-located events

CCF-AI'2013

The CCF Conference on Artificial Intelligence

July 31-Aug. 2
Venue: BUAA (Beijing)
www.ccfai2013.org

KSEM'2013

The International Conference on Knowledge Science, Engineering and Management

Aug. 9-11
Venue: TBD (Beijing)
ksem.dlut.edu.cn

AGI-13

The Sixth Conference on Artificial General Intelligence

July 31-Aug. 3
Venue: Peking University (Beijing)
www.agi-conf.org/2013

IHIC 2013

International Health Informatics Conference

Aug. 3-4
Venue: BICC (Beijing)
<http://ai.arizona.edu/ihic2013/>

IScIDE2013

2013 Sino-Foreign-Interchange Conference on Intelligence Science and Intelligent Data Engineering

July 30-Aug
Venue: TBD (Beijing)
<http://iscide.ustb.edu.cn/2013>

AT-2013

2nd International Conference on Agreement Technologies

Aug. 1-2
Venue: BICC (Beijing)
www.ia.urjc.es/at2013

2013 IFAAMAS Summer School

Autonomous Agents and Multi-Agent Systems

Aug. 9-12, 2013
Venue: Institute of Computing Technology, CAS, Beijing, China
www.intsci.ac.cn/summerschool/en/

Invited speakers

LOGICS FOR MULTI-AGENT SYSTEMS: A CRITICAL OVERVIEW



Andreas Herzig
IRIT, University of Toulouse and
National Center
for Scientific Research (CNRS)

Aug 9th
15:10-16:00
Hall #2

COMPUTATIONAL PERSPECTIVES ON SOCIAL PHENOMENA AT GLOBAL SCALES LOGICS FOR MULTI-AGENT SYSTEMS: A CRITICAL OVERVIEW



Jon Kleinberg
Cornell University

Aug 6th
10:15-11:05h
Hall #2

R-CALCULUS: A LOGICAL FRAMEWORK FOR SCIENTIFIC DISCOVERY



Wei Li
Beihang University, China

Aug 9th
16:00-16:50
Hall #2

SOFT ROBOTICS --- THE NEXT GENERATION OF INTELLIGENT MACHINES



Rolf Pfeifer
Artificial Intelligence Laboratory,
University of Zurich, Switzerland
National Competence Center
Research in Robotics, Switzer-
land

Aug 8th
08:30-09:20
Hall #2

COMPUTING FOR CONSERVATION



Steven Phillips
AT&T Labs-Research

Aug 7th
14:25-15:15h
Hall #2

SYMBIOTIC AI: AN APPROACH TO ARTIFICIAL INTELLIGENCE THROUGH FIRST-PERSON SENSING



Thad Starner
Georgia Institute of
Technology

Aug 7th
13:30-14:20
Hall #2

LEARNING AS PROGRAM INDUCTION



Joshua Tenenbaum
Massachusetts Institute of Tech-
nology

Aug 8th
Hall #2
10:15-11:05

COMPUTATIONAL DISASTER MANAGEMENT



Pascal Van Hentenryck
NICTA and University of
Melbourne

Aug 6th
09:00-09:45
Hall #2

Special events: the impact of AI on society

The debate on banning autonomous weapons

August 7
15:45
Hall #2

Noel Sharkey, Professor of AI and Robotics. U. Sheffield
and Chair of the International Committee for Robot
Arms Control

Recent attention to this issue includes a UN Human
Right Commission Report and an international cam-
paign launched by Human Rights Watch and ICRC (the
International Committee for Robot Arms Control). A ban
would have a significant effect on the AI profession, yet
no debate has occurred in a broad AI forum. Technical,
political, and moral issues remain unresolved - for exam-
ple, what does autonomous mean? Is a ban enforceable?
Is it better to place humans in the battlefield rather than
robots?

The Future of AI: What if We Succeed?

August 9
13:30h
Hall #2

A panel discussion whose goal is to bring to prominence
the potential long-term implications of AI: Do we (the AI
community) need to undertake research or develop pol-
icy now to prepare for the possibility of human-level or
superintelligent systems and the economic, social, and
existential opportunities and risks they present for hu-
man society?

Moderator: Stuart Russell (University of California,
Berkeley)

Panelists:
Joanna Bryson (University of Bath)
Henry Kautz (University of Rochester)
Anders Sandberg (Oxford University)
Sebastian Thrun (Google, Stanford, and Udacity)

General tutorial/workshop timetable

August 3-5, 2013
Tsinghua University

Tutorials' timetable	
8:30-9:00	Registration
9:00-10:45	Morning tutorial, part 1
10:45-11:00	Coffee break
11:00-12:45	Morning tutorial, part 2
12:45-13:45	Lunch*
13:45-15:30	Afternoon tutorial, part 1
15:30-15:45	Coffee break
15:45-17:30	Afternoon tutorial, part 2

Workshops' timetabling	
8:30-9:00	Registration
9:00-10:30	Session
10:30-10:45	Coffee break
10:45-12:30	Session
12:30-13:30	Lunch*
13:30-15:30	Session
15:30-15:45	Coffee break
15:45-17:30	Session

* Lunch is provided for all registered delegates at Tsinghua University.

Tutorial program

	Title	Tutors	Date
TA1	Knowledge representation for game theory	Michael Wooldridge	Saturday, August 3rd (morning)
TA2	AI-Driven Analytics In Traffic Management	Biplav Srivastava and Akshat Kumar	Saturday, August 3rd (morning)
TA3	Formal Concept Analysis and Beyond	Sergei O. Kuznetsov and Amedeo Napoli	Saturday, August 3rd (morning)
TA4	Belief Revision: From 1985 to 2013	Eduardo FermÉ	Saturday, August 3rd (morning)
TB1	SAT in AI: high performance search methods with applications	Jussi Rintanen	Saturday, August 3rd (afternoon)
TB2	Human-Machine-Nature Symbiosis	Hai Zhuge	Saturday, August 3rd (afternoon)
TB3	Formal Methods for Event Processing	Alexander Artikis, Opher Etzion	Saturday, August 3rd (afternoon)
TB4	Endowing Machines with WebSense	Loizos Michael	Saturday, August 3rd (afternoon)
TC1	Advances in Algorithm Selection and Configuration for Constraint Solving and Satisfiability	Lars Kotthoff, Yuri Malitsky and Barry O'Sullivan	Sunday, August 4th (morning)
TC2	Behavior Informatics: Modeling, Analysis and Mining of Complex Behaviors	Longbing Cao, Philip S Yu, Can Wang	Sunday, August 4th (morning)
TC3	Answer Set Solving in Practice	Martin Gebser, Torsten Schaub	Sunday, August 4th (morning)
TC4	Computational Social Choice	Lirong Xia	Sunday, August 4th (morning)
TD1	Programming by Optimization: A Practical Paradigm for Computer-Aided Algorithm Design	Holger Hoos, Frank Hutter, Kevin Leyton-Brown	Sunday, August 4th (afternoon)
TD2	Transfer Learning with Applications	Sinno Jialin Pan, Qiang Yang, Wei Fan	Sunday, August 4th (afternoon)
TD3	Recommender Systems	Dietmar Jannach and Gerhard Friedrich	Sunday, August 4th (afternoon)
TD4	Constraint processing and Probabilistic reasoning from a Graphical Models Perspective	Rina Dechter	Sunday, August 4th (afternoon)
TE1	Bayesian networks with imprecise probabilities: theory and applications to knowledge-based systems and classification	Alessandro Antonucci, Giorgio Corani, Denis Mauř	Monday, August 5th (morning)
TE2	Large-scale Non-linear Classification: Algorithms and Evaluations	Zhuang Wang	Monday, August 5th (morning)
TE3	Structural Decomposition Methods and Islands of Tractability for NP-hard Problems	Georg Gottlob, Gianluigi Greco & Francesco Scarcello	Monday, August 5th (morning)
TE4	Topics in Computational Sustainability	Carla Gomes + others	Monday, August 5th (morning)
TF1	An Introduction on Evolutionary Optimization: Recent Theoretical and Practical Advances	Yang Yu, Ke Tang, Xin Yao, Zhi-Hua Zhou	Monday, August 5th (afternoon)
TF2	A Tutorial on Optimal Algorithms for Learning Bayesian Networks	James Cussens, Brandon Malone, Changhe Yuan	Monday, August 5th (afternoon)
TF3	AI Planning: Reasoning with Transition Systems	Jussi Rintanen	Monday, August 5th (afternoon)
TF4	Sentiment Mining from User Generated Content	Ronen Feldman	Monday, August 5th (afternoon)

Tutorials' location

	August 3 morning	August 3 afternoon	August 4 morning	August 4 afternoon	August 5 morning	August 5 afternoon
TA1	Room 6A314					
TA2	Room 6A315					
TA3	Room 6A316					
TA4	Room 6A414					
TB1		Room 6A314				
TB2		Room 6A315				
TB3		Room 6A316				
TB4		Room 6A414				
TC1			Room 6A314			
TC2			Room 6A315			
TC3			Room 6A316			
TC4			Room 6A414			
TD1				Room 6A314		
TD2				Room 6A315		
TD3				Room 6A316		
TD4				Room 6A414		
TE1					Room 6A314	
TE2					Room 6A315	
TE3					Room 6A316	
TE4					Room 6A414	
TF1						Room 6A314
TF2						Room 6A315
TF3						Room 6A316
TF4						Room 6A414

Workshop program

	Title	Date
W01	Pacific Asia Workshop on Intelligence and Security Informatics (PAISI'13)	Aug 3rd (full day)
W02	Workshop on Intelligence Science	Aug 4th (full day)
W03	2nd International Workshop on Theory and Applications of Formal Argumentation (TAFa'13)	Aug 3rd (full day)+Aug 4th (morning)
W04	Workshop on Smart Simulation and Modeling for Complex Systems	Aug 3rd (full day)
W05	Workshop on Understanding the Positive and Negative Sides of Social Media (PANSOM'13)	Aug 3rd (full day)
W06	Workshop on Semantic Cities	Aug 5th (morning)
W07	Workshop on AI Problems and Approaches for Intelligent Environments	Aug 5th (afternoon)
W09	3rd International Workshop on Graph Structures for Knowledge Representation and Reasoning (GKR'13)	Aug 3rd (full day)
W10	Workshop on Computational Creativity, Concept Invention, and General Intelligence	Aug 4th (full day)
W11	9th International Workshop on Neural-Symbolic Learning and Reasoning (NeSyi'13)	Aug 5th (full day)
W12	Workshop on AI and Space	Aug 5th (full day)
W13	7th Multidisciplinary Workshop on Advances in Preference Handling (M-PREF'13)	Aug 4th (full day)+Aug 5th (morning)
W14	2nd International Workshop on Incentives and Trust in E-Commerce (WIT-EC'13)	Aug 5th (afternoon)
W15	2nd Workshop on Machine Learning for Interactive Systems (MLIS'13): Bridging the Gap Between Perception, Action and Communication	Aug 4th (full day)
W16	Behavior and Social Informatics and Computing (BSIC'13)	Aug 4th (full day)+Aug 5th (full day)
W17	6th International Symposium on Attention in Cognitive Systems (ISACS'13)	Aug 5th (full day)
W18	Workshop on Domain-Adaptive Methods for Text Analytics, Sentiment Analysis, and Opinion Mining	Aug 4th (afternoon)
W20	Workshop on Ubiquitous Data Mining	Aug 3rd (full day)
W22	Workshop on Cooking with Computers (CWC'13)	Aug 5th (full day)
W23	4th International Workshop on Empathic Computing (IWECC'13)	Aug 4th (full day)
W24	Activity Context-aware System Architectures	Aug 4th (morning)
W25	Workshop on Computer Games	Aug 3rd (full day)
W26	Constraint Reasoning, Planning and Scheduling Problems for a Sustainable Future (GREEN-COPLAS'13)	Aug 3rd (full day)
W27	2nd International Workshop on Intelligent Agents in Urban Simulations and Smart Cities	Aug 3rd (full day)
W28	Workshop on Cloud Computing and AI	Aug 4th (full day)
W29	2nd International Workshop on Artificial Intelligence and Netmedicine (NetMed'13)	Aug 3rd (full day)
W30	Workshop: What can FCA do for Artificial Intelligence?	Aug 5th (full day)
W31	AI for Big Data	Aug 5th (afternoon)
W32	Workshop on Weighted Logics for AI (WL4AI'13)	Aug 4th (full day)+Aug 5th (morning)
W33	3rd International General Game Playing Workshop	Aug 5th (full day)
W34	14th International Workshop on Distributed Constraint Reasoning (DCR'13)	Aug 4th (full day)
W35	Workshop on Nonmonotonic Reasoning, Action and Change (NRAC'13)	Aug 5th (full day)
W36	Workshop on Heterogeneous Information Network Analysis (HINA'13)	Aug 5th (full day)

Workshops' location

	August 3 morning	August 3 afternoon	August 4 morning	August 4 afternoon	August 5 morning	August 5 afternoon
W01	Room 6A301					
W02			Room 6A301			
W03	Room 6A303					
W04	Room 6A305					
W05	Room 6A309					
W06					Room 6A301	
W07						Room 6A301
W09	Room 6A311					
W10			Room 6A305			
W11					Room 6A303	
W12					Room 6A305	
W13			Room 6A309			
W14						Room 6A309
W15			Room 6A311			
W16			Room 6A313			
W17					Room 6A311	
W18				Room 6A403		
W20	Room 6A313					
W22					Room 6A401	
W23			Room 6A401			
W24			Room 6A403			
W25	Room 6A401					Room 6A315
W26	Room 6A403					Room 6A316
W27	Room 6A405					Room 6A414
W28			Room 6A409			
W29	Room 6A409					
W30					Room 6A403	
W31						Room 6A411
W32			Room 6A411			
W33					Room 6A409	
W34			Room 6A413			
W35					Room 6A405	
W36					Room 6A413	

Doctoral Consortium

August 5
09:00h
Room 6A416 (Tsinghua University)

Participation in the doctoral consortium at IJCAI will allow students to talk about their research with peers and senior members of the community, network with students from around the world, and discuss how to conduct research, publish, give presentations, and have a successful research career. The goals of the consortium are to expose the students to different areas of research and approaches within Artificial Intelligence, build professional connections within the international community of researchers, and receive feedback on their research.

Timetable	Activity
8.30 - 9.00	Welcome and Overview of the Day
9.00 - 10.00	Invited Talk 1: Pascal Van Hentenryck Red Rackham's Treasure
10.00 - 10.30	Lightning Advertisement Talks
10.30 - 11.30	Poster session cum Coffee Break
11.30 - 12.30	Extended Visit Sharing
12.30 - 13.30	Lunch
13.30 - 14.30	Invited Talk 2: Rao Kambhampati Wittgenstein's papers and Faraday's talks: Maxims for a milk-fed researcher
14.30 - 15.00	Lightning Advertisement Talks
15.00 - 16.00	Poster session cum Coffee Break
16.00 - 17.00	Career Panel
17.00 - 17.20	Summing up the Day and Q/A

IJCAI 2013 Distinguished Papers

August 6
13:30-14:20
Room 201CD

The distinguished paper awards come with the IJCAI certificate and one Nvidia graphic card per paper.
Bayesian Optimization in High Dimensions via Random Embeddings
Ziyu Wang, Masrour Zoghi, Frank Hutter, David Matheson, Nando de Freitas
Maximizing Flexibility in Simple Temporal Networks
Bob Huisman, Tomas Klos, Michel Wilson, Cees Witteveen

AI and Computational Sustainability Track Outstanding Papers

Outstanding paper

August 9
8:30
Room 305AB

Semi-Supervised Learning for Integration of Aerosol Predictions from Multiple Satellite Instruments
Nemanja Djuric, Lakesh Kansakar, Slobodan Vucetic

Outstanding student paper

August 8
13:30
Room 305CD

A Hidden Markov Model-Based Cicada Detector for Crowdsourced Smartphone Biodiversity Monitoring
Davide Zilli, Oliver Parson, Geoff V Merrett, Alex Rogers

Robot Competition

August 7 and 8
BICC

IJCAI is pleased to announce the launch of a new important robotics initiative, the First Robot Competition and Exhibition in 2013. Robotics is becoming increasingly important in Artificial Intelligence and poised to have a profound impact on society.

The IJCAI-13 Robot Competition and Exhibition is open to all robots. It is designed to raise awareness of robotics in the AI community and to identify robotics problems that AI methods, tools and techniques can help to address.

Four prizes will be offered for real-time robot demonstrations in the following categories: physical skills (e.g. manipulation and motion), social skills (e.g. human-robot interaction, multi-robot collaboration, theory of mind),

service tasks (e.g. general-purpose service, cleaning the house, cocktail waiter, security guard) and open (e.g. incredibly awesome applications). The key criteria are: innovation - what new value or potential impact does the demonstrated capability bring; significance - quality of new AI/Robotics research questions it addresses or exposes; technical quality - how well is the demonstration accomplished; understandability - quality of the demonstration presentation.

Each demonstration will be performed in the Robot Exhibition Arena and required to be completed in less than 10 minutes with synchronous presentation/commendatory, followed by a 10 minute Q&A.

Competitions will be held on August 7 and 8. All conference attendees are encouraged to watch the demonstrations. The winner will be announced during the Closing Event on August 9 at 16:50, Hall #2.

Team	Affiliation	Team leader
Aldebaran Robotics	Aldebaran Robotics	Barney Zhang
HfutXiaoBao	Hefei University of Technology	Jianm Xue
JiaoLong	Shanghai Jiao Tong University	Jingchuan Wang
Karachi Koalas	University of Technology, Sydney	Mary-Anne Williams
KeJia-Meka-TurtleBot	USTC/Shanghai GaiTech Scientific	Dongxiang Zhang
KeJia@Home	University of Science and Technology of China	Min Cheng
NECO	A*STAR@I2R	Huajin Tang
PKU-MLR	Peking University	Xihong Wu
Strive@Basketball	Shanghai University	Fajie Li
Strive@home	Shanghai University	Youyuan Xiang
Sun Team	Beijing Information Science & Technology	Qizhi Zhang
Tsinghua Hephaestus	Tsinghua University	Mingguo Zhao
Yoguai	Yoguai Corporation	Weihong Li
ZJUCyber	Zhejiang University	Zenglin Hong

AI Video Competition

IJCAI 2013 is pleased to continue the AI Video Competition that was an integral part of the IJCAI technical programs from IJCAI-89 until IJCAI-97 and reinstated in 2011. A total of 17 submissions were accepted and will be screened in common areas during the conference. Additionally, a number of awards will be presented at a ceremony on August 8 at 9:20 AM in Hall 1. Awards will be given to the best video, most educational video, best autonomous robotics video, best application, most entertaining video, and most entertaining autonomous robotics video.

The candidates for awards are:

Algorithmic Decision Theory @ NICTA

Haris Aziz (NICTA and University of New South Wales); Serge Gaspers (University of New South Wales and NICTA); Nicholas Mattei (NICTA and University of New South Wales); Nina Narodytska (NICTA and University of New South Wales); Toby Walsh (NICTA and University of New South Wales).

Multi-resolution Representations of Media Information

Robin Lamarche-Perrin (Laboratoire d'Informatique de Grenoble); Yves Demazeau (CNRS - Laboratoire LIG); Jean-Marc Vincent (Laboratoire LIG).

Word Recognition Through Sound Alone

Taylor Bell (Texas A&M University); Wenzhi Li (Texas A&M University); Tracy Hammond (Texas A&M University).

Discover Emotions in Tweets & Weibos during the 2012 Olympic Games

Renato Kempter (EPFL); Valentina Sintsova (EPFL); Claudiu Musat (EPFL); Pearl Pu (EPFL).

TutorialPlan: Automated Tutorial Generation from CAD Drawings

Wei Li (Autodesk Research); Yuanlin Zhang (Texas Tech University); George Fitzmaurice (Autodesk Research).

Utilize External Knowledge to Solve New Problems

Xiaoping Chen (Multi-Agent Systems Lab., University of Science and Technology of China); Jianmin Ji (Multi-Agent Systems Lab., University of Science and Technology of China); Zhiqiang Sui (Multi-Agent Systems Lab., University of Science and Technology of China); Jiongkun Xie (Multi-Agent Systems Lab., University of Science and Technology of China); Guoqiang Jin (Multi-Agent Sys-

tems Lab., University of Science and Technology of China); Feng Wang (Multi-Agent Systems Lab., University of Science and Technology of China).

(Video) Flow Machines

Fiammetta Ghedini (Sony CSL); François Pachet (Sony CSL); Pierre Roy (Sony CSL).

ACE - Autonomic Software Engineering for online cultural experiences

Fiammetta Ghedini (Goldsmiths College); Mark D'Inverno (Goldsmiths College); Katina Hazelden (Goldsmiths College); Matthew Yee-King (Goldsmiths College).

GAMA: multi-level and complex environments for agent-based models and simulations (demonstration)

Grignard Arnaud (UPMC).

5 robots named Paul drawing Nino

Patrick Tresset (Goldsmiths, University of London -- Zukunftskolleg, University of Konstanz).

Happy Easter from the AI Lab

Matthias Faessler (Robotics and Perception Group, University of Zurich); Elias Mueggler (Robotics and Perception Group, University of Zurich); Davide Scaramuzza (Robotics and Perception Group, University of Zurich).

Group of Cooperating Robots and Humanoid for Assistance at Home, with cognitive and real-world capabilities ensured by our Piaget environment (RG-Y, RH-Y, OP-Y and Nono-Y, at HEIG-VD)

Jean-Daniel Dessimoz (Western Switzerland University of Applied Sciences, HESSO.HEIG-VD); Pierre-François Gauthy (Western Switzerland University of Applied Sciences, HESSO.HEIG-VD).

Ela: An Office Watering Machine

Yang Yu (Nanjing University); Qing Da (Nanjing University).

SJTU VCR

Jingchuan Wang (Shanghai Jiao Tong University); Weidong Chen (Shanghai Jiao Tong University); Zhixuan Wei (Shanghai Jiao Tong University); Wenlong Liao (Shanghai Jiao Tong University).

Ela 2: An Office Assistant Machine

Yang Yu (Nanjing University); Qing Da (Nanjing University); Yu Qian (Nanjing University); Xiu-Shen Wei (Nanjing University); Qing-Guo Chen (Nanjing University).

Autonomous Rebalancers for Mobility on Demand

Guo Ming James Fu (Singapore-MIT Alliance for Research and Technology); Karl D. Hansen (Aalborg University); Pratik Chaudhari (Massachusetts Institute of Technology); Riccardo Incaini (University of Pisa); Tawit Uthaicharoenpong (Singapore-MIT Alliance for Research and Technology); Valerio Varricchio (University of Pisa); Scott Pendleton (National University of Singapore); Marcello Scarnecchia (Singapore-MIT Alliance for Research and Technology); Tirthankar Bandyopadhyay (Singapore-MIT Alliance for Research and Technology); Marcello H. Jr Ang (National University of Singapore); Emilio Frazzoli (Massachusetts Institute of Technology).

The Fugitive

Mary-Anne Williams (University of Technology, Sydney); Xun Wang (University of Technology, Sydney); Shaikat Albedi (University of Technology, Sydney); Michelle Youssef (University of Technology, Sydney); Wei Wang (University of Technology, Sydney); Pramod Parajuli (University of Technology, Sydney).

Angry birds AI competition

Room 308
BICC

The goal of the Angry Birds AI Competition is to build AI agents that can play the popular game "Angry Birds" as good as the best human players. In qualification rounds on August 6-7, the agents who qualify for the final rounds on August 8 will be determined. The highlight will be the Grand Final of the best two AI agents at 17:15 on August 8. During the competition, there will also be a number of paper presentations. Further details and a complete schedule can be found at <http://aibirds.org>.

In the Angry Birds' Man vs Machine Challenge on August 9, IJCAI participants and the general public have the chance to challenge the winning AI agents to see if humans are still better at playing Angry Birds than AI. Human players can compete from 09:00 onwards. The best AI agents will then play the same game levels at the final match at 16:30. The winner of the challenge, man or machine, will be awarded with a prize of USD 500. Registration for the Man vs. Machine Challenge opens at 10:00 on August 6 at <http://aibirds.org>.



Best Papers in Sister Conferences Track

August 4-9
Room 201CD

August 6
also Room 305AB

In continuation of the tradition started at IJCAI 2011, this track celebrates excellence in the field by featuring 30 presentations of award-winning papers from AI-related conferences. This year, it also includes presentations of 6 doctoral dissertations selected and distinguished by their own respective communities in order to highlight sustained research efforts by young researchers. The track will run throughout the whole technical program.

The best dissertations are the following ones:

- 2012 ACP Doctoral Research Award
- 2012 SIGKDD Doctoral Dissertation Award
- ECCAI 2011 Artificial Intelligence Dissertation Award
- ICAPS 2012 Best Dissertation Award
- IFAAMAS-11 Victor Lesser Distinguished Dissertation Award
- IFAAMAS-12 Victor Lesser Distinguished Dissertation Award

■ The best papers that will be presented at IJCAI 2013 are from the following conferences:

ACL 2012, CHI 2013, COLT 2012, EC 2012, ECML 2012, FOIS 2012, ICCBR 2011, ICCBR 2012, ICLP 2011, ICLP 2012, ICRA 2012, ISWC 2012, IUI 2012, JELIA 2012, KDD 2012, PKDD 2012, RecSys 2011, RecSys 2012, RR 2012, RSS 2012, SAT 2012, TARK 2013, UAI 2012, UMAP 2011, WSDM 2012.

Journal Track

August 6-9
Within the main program, various rooms (papers tagged "Journal Track")

For the first time, throughout the technical program, IJCAI 2013 has a special track including 12 presentations of research results that have been published in the AI Journal or JAIR in 2011 or 2012 and have never been presented at a conference before. This track is intended to give this work exposure to a large AI audience in a highly interactive setting. These papers will also be presented as posters and are accompanied by a 4-page extended abstract in the conference proceedings.

Closing event

August 9
16:50-18:00
Hall #2

The closing event will include the award ceremony for the robot and the Angry Birds competitions, as well as the Best Presentation Award and the Best Poster Award. Moreover, you will listen to the plans for IJCAI 2015 in Buenos Aires, Argentina. You will then be able to say goodbye to all your friends and colleagues while enjoying food and drinks.

Best presentation and best poster: how to vote

All conference attendees will have the opportunity to vote for the best presentation and the best poster. If you have registered to the conference, you will have received an email with the password you can use to vote.

Just go to <http://ijcai13.org/voting> to submit your vote. If you have lost the voting email, don't worry, there is a password recovery option on the voting website.

You will be able to vote for at most 3 papers of which you really liked the presentation (this is an award for the best presentation, not the best paper) and at most 3 posters you really liked.

The presentation and the poster with the most votes (ties will be broken by lowest id number of the paper) will win. Winners will be announced and awarded during the closing event, Friday August 9 at 16:50 in Hall #2.

Poster in my pocket

With the support of Elsevier, IJCAI 2013 is providing an innovative service to conference attendees and poster authors, that allows authors to increase the exposure of their poster and attendees to download any poster to their smartphone (iPhone or Android).

Attendees just need to install the free Poster in my Pocket App from the iTunes App store or Google Play Android store.

More information can be found here:

<http://www.posterinmypocket.com/attendees.html>

When you see a poster you would like to read on your mobile, and that has the PosterinmyPocket logo, simply open the app, enter the unique code (or scan the QR code), and within seconds you will have an exact copy of the poster in your hand.

All poster authors have been instructed on what to do to make their poster available via this service. However, if they forgot to do so, they can still do it by following the instructions at:

<http://www.posterinmypocket.com/authors.html>

For more information on this service, please visit:

<http://www.posterinmypocket.com>

myIJCAI: Create your conference schedule

For the first time, IJCAI 2013 provides an interactive conference program that lets you build your personal conference schedule, bookmark selected papers and sessions, and get social recommendations on other papers and sessions you may like.

myIJCAI is available for both desktop and mobile. Just go to <http://confer.csail.mit.edu/myIJCAI>. Once loaded, it works without depending on the conference wireless: myIJCAI works in an offline mode and can be accessed even when you have no Internet connection.

Your bookmarked papers and schedule are also synced across devices (when networked), so you can have everything available on your desktop, laptop, and phone.

Participant registration for IJCAI 2013

Onsite registration will be located from Saturday, August 3 to Monday, August 5 at Tsinghua University and from Tuesday, August 6 to Friday, August 9 at the Entrance Hall of the BICC. All attendees must pick up their registration packets for admittance to programs.

Registration Desk Schedule

DAY	LOCATION	TIME
Saturday August 3	Tsinghua University (Workshop Site)	8:00-17:30
Sunday August 4	Tsinghua University (Workshop Site)	8:00-17:30
Monday August 5	Tsinghua University (morning only) and Beijing International Convention Center (Entrance Hall)	8:00-17:30
Tuesday August 6	Beijing International Convention Center (Entrance Hall)	8:00-17:30
Wednesday August 7	Beijing International Convention Center (Entrance Hall)	8:00-17:30
Thursday August 8	Beijing International Convention Center (Entrance Hall)	8:00-17:30
Friday August 9	Beijing International Convention Center (Entrance Hall)	8:00-15:00

Tour information

The services described on this page (airport pick-up, accommodation, tours during and after the convention) are provided by the IJCAI-13 tour operator-CYTS (which is the largest in China).

Please remit payment for services provided here directly to CYTS.

AIRPORT PICK-UP SERVICE

1-2 persons-USD 66/CNY 415 per car-5 seat sedan
3-5 persons-USD 140/ CNY 875 per van-12 seat van

** Committee representative will hold a sign with IJCAI-13 logo at the exit, where clients have finished all procedures at Immigration and Customs, and have declared their luggages.

** Clients taking irregular-size luggage or more than one big suitcase per person had better order a bigger size vehicle.

** Group with more than 5 people please send enquiries to xiayq@cytsonline.com.

** Payment for the above service should arrive at CYTS account before 30th, May.

** Note that taxi fare from the airport to BICC is about USD 16.

BEIJING DAY TOURS

Forbidden City & Temple of Heaven



- Tour code: SIC01
- Highlights: Tiananmen Square, Forbidden City, Temple of Heaven, lunch, Pearl Workshop
- Early booking price: USD 72/ CNY 448 per person (payment arriving at CYTS account before 30th, May)
- Booking on site price: USD 78/ CNY 488 per person (subject to availability)
- Style: seat in coach
- Duration-approx: 8.0 hour
- Departure date: 4th, 6th, 8th, 9th, 10th, 11th Aug.
- Departure time: 08:30
- Departure point: in front of Beijing International Convention Center

Description:

On this tour, we will visit two World Heritage Sites. In the morning, we begin at the Forbidden City and Tiananmen Square. As the imperial residence, the Forbidden City has seen countless battles and reconstruction – the architecture we see today dates back to the early 15th century. After an appetizing Chinese lunch, we will visit the Temple of Heaven – the world’s largest temple and altar complex, highlighted by unique and intricate architectural designs dating back to the Ming dynasty. We’ll break up our busy day with scenic bus riding, plus a fascinating look into the ancient culture of Chinese pearl cultivation. There might be a long walking on this day, a pair of comfortable shoes is highly recommended.

Private tour with the same itinerary is provided every day upon request:

Tour code-PO1

1 person	2 person	3 person	4 person
USD 185	USD226	USD308	USD399
CNY 1148	CNY 1399	CNY 1925	CNY 2478

For tours to other cities, please send requests to xiayq@cytsonline.com.

Great Wall & Ming Tombs



- Tour code: SIC02
- Highlights: Changling Tomb of Ming tombs, Great Wall at Badaling Section, lunch, Jade Factory, Chinese Tea Ceremony
- Early booking price: USD 69/ CNY 428 per person (payment arriving at CYTS account before 30th, May)
- Booking on site price: USD 74/ CNY 459 per person (subject to availability)
- Style: seat in coach
- Duration: approx. 8.0 hour
- Departure date: 4th, 6th, 8th, 9th, 10th, 11th Aug.
- Departure time: 08:30
- Departure point: in front of Beijing International Convention Center

Description:

This is an unforgettable traveling experience to two of the most famous scenic spots in the north of Beijing. Our first stop is the sacred Ming Tombs – the imperial burial grounds of the Ming dynasty, where we will explore the Changling Tomb, the largest and best preserved of the 13 tombs. After lunch, we will visit the Badaling section of the Great Wall – a monumental feat of ancient Chinese engineering. Here, we will see the best preserved section of this 8,000 kilometers long structure, and have the opportunity to climb up either the north or south face of the wall. During the day we will stop at a Jade Factory, where we will learn about the 5,000 year culture of Chinese jade. On the way back, we will stop to enjoy a traditional tea ceremony in the relaxing atmosphere of a tea house.

Private tour with the same itinerary is provided every day upon request:

Tour code-PO2

1 person	2 person	3 person	4 person
USD 194	USD238	USD335	USD415
CNY 1208	CNY 1478	CNY 2078	CNY 2578

For tours to other cities, please send requests to xiayq@cytsonline.com

Summer Palace & Panda Hall



- Tour code: SIC03
- Highlights: Summer Palace, Panda Hall of Beijing Zoo, Hutong Rickshaw tour, local family visit, Drum Tower or Bell Tower, lunch, Silk Museum
- Early booking price: USD 79/ CNY 489 per person (payment arriving at CYTS account before 30th, May)
- Booking on site price: USD 83/ CNY 518 per person (subject to availability)
- Style: seat in coach
- Duration: approx. 8.0 hour
- Departure date: 4th, 6th, 8th, 9th, 10th, 11th Aug.
- Departure time: 08:30
- Departure point: in front of Beijing International Convention Center

Description:

Summer Palace is the largest imperial garden in the world. We will explore the garden grounds, see an actual marble boat, and walk through the world’s longest art gallery. Before lunch we shall stop at Silk Museum to learn Chinese silk culture. After lunch, we shall visit the Beijing Zoo to see the frolicking Pandas – a living Chinese treasure, surely to bring a smile to your face. And then we will take a rickshaw ride through the old narrow streets of Beijing, and savor the leisurely pace of local life. Afterwards, we will visit the home of a local family and learn about their traditional Hutong courtyard life. Finally, we will climb to the top of the 800 year old Drum Tower or Bell Tower for a panoramic view of Beijing.

Private tour with the same itinerary is provided every day upon request:

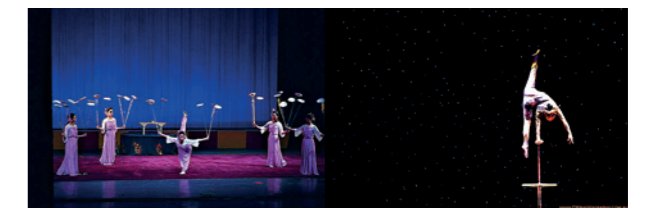
Tour code-PO3

1 person	2 person	3 person	4 person
USD 197	USD249	USD349	USD448
CNY 1228	CNY 1548	CNY 2168	CNY 2778

For tours to other cities, please send requests to xiayq@cytsonline.com

BEIJING NIGHT TOURS

Acrobatics



- Tour code: SIC04
- Highlights: Chinese Acrobatic Show
- Early booking price: USD 38/ CNY 238 per person (payment arriving at CYTS account before 30th, May)
- Booking on site price: USD 45/ CNY 279 per person (subject to availability)
- Style: seat in coach
- Duration: approx. 2.5 hour
- Departure date: 4th, 6th, 8th, 9th, Aug.
- Departure time: 18:15
- Departure point: in front of Beijing International Convention Center

Description:

On this evening excursion, we will savor the nightlife of Beijing. Our representative will introduce you the essence of Chinese Acrobatics on the way to the theatre. Afterwards we'll feast on the exotic performance of a Chinese acrobatic troupe, displaying an elegant art form that has been performed for thousands of years – truly a feast for the eyes!

For tours to other cities, please send requests to xiayq@cytsonline.com

Kung Fu

- Tour code: SIC05
- Highlights: Chinese Kung Fu Show
- Early booking price: USD 38/ CNY 238 per person (payment arriving at CYTS account before 30th, May)
- Booking on site price: USD 45/ CNY 279 per person (subject to availability)
- Style: seat in coach
- Duration: approx 2.5 hour
- Departure date: 4th, 6th, 8th, 9th Aug.
- Departure time: 18:15
- Departure point: in front of Beijing International Convention Center

Description:

Thinking that everyone in China knows Kung Fu? On this evening excursion, we will savor the nightlife of Beijing. We'll feast on the exotic performance of a Chinese Kung Fu show, knowing what strength of China is.

For tours to other cities, please send requests to xiayq@cytsonline.com

Beijing by Night

- Tour code: SIC06
- Highlights: Beijing by night, Tiananmen Square, Donghuanmen Snack Street (Wangfujing), Shichahai Bar Area (Houhai)
- Early booking price: USD 19/ CNY 118 per person (payment arriving at CYTS account before 30th, May)
- Booking on site price: USD 25/ CNY 158 per person (subject to availability)
- Style: seat in coach
- Duration: approx. 3.0 hour
- Departure date: 4th, 6th, 8th, Aug.
- Departure time: 19:30
- Departure point: in front of Beijing International Convention Center

Description:

On this evening excursion, we will savor the nightlife of Beijing. Firstly, our coach will travel around Tiananmen Square to have a different view of Beijing Centre. And then our representative will lead you to the most famous Donghuanmen Snack Street near Wangfujing. There you may have some free time to try different Beijing Snacks. Finally, you will be led to Shichahai, very popular among young people and foreigners in Beijing. There you may take a short walk with our representative and back to the hotel, or you may get into one of the bars to experience the true night life of Beijing (taxi back at own cost).

For tours to other cities, please send requests to xiayq@cytsonline.com

Peking Opera

- Tour code: SIC07
- Highlights: Peking Opera
- Early booking price: USD 38/ CNY 238 per person (payment arriving at CYTS account before 30th, May)
- Booking on site price: USD 45/ CNY 279 per person (subject to availability)
- Style: seat in coach
- Duration: approx. 2.5 hour
- Departure date: 9th, Aug.
- Departure time: 18:30
- Departure point: in front of Beijing International Convention Center

Description:

On this evening excursion, we will savor the nightlife of Beijing. We'll feast on the exotic performance of Peking Opera, learning Chang, Nian, Zuo and Da, those essence of Peking Opera. At the back stage you will see how the artisans make their faces.

For tours to other cities, please send requests to xiayq@cytsonline.com

XIAN-SHANGHAI TOUR

- Tour code: MCT01
- Highlights Xian: Ancient City Wall, Big Wild Goose Pagoda, Terracotta Warriors and Horses, Shaanxi History Museum, Grand Mosque and its nearby bazaar
- Highlights Shanghai: Nanjing road, the Bund, Shanghai Museum, Jinmao Tower, Jade Buddha Temple, Yuyuan Garden
- Price: USD1109/ CNY 6878 per person (3*), USD 1199/ CNY 7438 per person (4*), USD 1258/ CNY 7799 per person

(5*) (We don't accept booking of this tour on site due to limited flight seats.)

- Style: seat in coach
- Duration: 5 days 4 nights
- Departure date: 10th Aug.
- Departure point: in front of Beijing International Convention Center

Schedule:

- 10th Aug: Meeting at Beijing International Convention Centre and transfer to the airport and fly to Xian, arrive in Xian, met and greeted by our guide at the airport and eat lunch at local restaurant, afternoon visit Shaanxi History Museum, dinner tasting Chinese Dumplings and then enjoy Tang Dynasty Show
- 11th Aug: Visit the Terracotta Warriors and Horses, before that we shall stop at a workshop to learn how the ancient people do those warriors and horses, lunch will be at local restaurant, in the afternoon visit the Big Wild Goose Pagoda.
- 12th Aug: Visit the Grand Mosque, and Ancient City Wall, before fly to Shanghai, eating lunch at a local restaurant.
- 13th Aug: Visit Jade Buddha Temple, Yuyuan Garden, typical private garden in south of China, lunch will be at local restaurant, in the afternoon visit Shanghai Museum and the Bund.
- 14th Aug: Visit Jinmao tower to have a bird-eye view of Shanghai, and have some free time at Nanjing Road to feel the difference between it and Wangfujing Street, before fly back to Beijing, stop at silk carpet factory to learn more about silk culture. People dismissed at Beijing International Convention Centre. Accommodation on the last day is not included. To book more nights in Beijing, please send request to xiayq@cytsonline.com.

**** Xian Hotels:**

- 3*-Ibis Hotel Xian or similar
- 4*-Grand New World Hotel or similar
- 5*-Grand Park Xian or similar

**** Shanghai Hotels:**

- 3*-New Asia Hotel Shanghai or similar
- 4*-Holiday Inn Downtown Shanghai or similar
- 5*-Hilton Hotel Shanghai or similar

Tours to other Cities:

Send requests to xiayq@cytsonline.com
Guilin, Suzhou, Hangzhou, Chengdu, Sanya, Zhangjiajie, Huangshan, Lhasa (Tibet), Hong Kong & Macau and so on.

Important Notes & Cancellation Policy

** Please fill the booking form, and attach it to your e-mail to xiayq@cytsonline.com or fax it to +86 10 5815 6138.

** On receiving your booking form, we shall write back an e-mail to inform you the receipt of your booking with a confirmation number and remind you the payment method within 48 hours.

** On receiving your payment, your confirmation number becomes valid. You need to show it when you claim your tour tickets.

** Early booking-means payment arriving at our account before 30th, May (including).

** Deadline for any on site booking is 3 pm one day in advance, subject to availability.

** Lunch included in the tour package is taken at local Chinese restaurant, 8-10 person share one round table. One glass of soft drink is included for each meal. Please tell us your special request on meals on the booking form.

** English speaking guide service provided for all tours.

** For any Beijing tours, cancellation notice arriving 72 hours in advance results in 80% refund (except for the service fee charged by the bank), later than that leads to no refund.

** For multiple cities tours, cancellation notice arriving 30 days in advance results in 80% refund (except for the service fee charged by the bank), later than that but 72 hours in advance causes only 20% refund and later than that leads to no refund. August is the peak time for domestic tours, due to limited flight seats and beds in hotels, we don't accept booking on site. Please note that the accommodation in Beijing on the last day of the tour is not included. People dismissed at Beijing International Convention Center.

** Accommodation cancellation policy: as August is the peak time for domestic tours and large scale conventions, we have limited numbers of rooms in each hotel. First come, first served. We cannot guarantee the availability of any room in these hotels before you receive our confirmation letter. On receiving the confirmation letter, please remit your payment before 30th, May. Written notice arriving before 1st, July results in full refund (except for the service fee charged by the bank); later than 1st, July but before 25th, July causes one night accommodation fee charged. Late arrival or early check out will cause no refund. To extend the staying period, we shall provide our best rates according to the occupation situation of the hotel.

IJCAI 2013 Exhibit program

ABB

www.abb.com

ABB is a global leader in power and automation technologies that enable utility and industry customers to improve their performance while lowering environmental impact. As one of the world's leading engineering companies, we help our customers to use electrical power efficiently, to increase industrial productivity and to lower environmental impact in a sustainable way. ABB's strategy is focused on organic growth, with an eye toward acquisitions that build our capability and global footprint within our core businesses of power and automation. As one of the world's premier engineering companies, ABB historically has also placed a strong emphasis on research and development. This continues to drive our business today.

Aldebaran Robotics

<http://www.aldebaran-robotics.com/>

According to the United Nations, robotics will be the technological revolution of the 21st century, just as the automobile was at the turn of the 20th century. As populations age, rapid changes in demographics are taking place. The ultimate dream of creating an artificial companion to assist humans is no longer science fiction. It is a realistic response to the needs of an aging society. The convergence of technologies such as voice and visual recognition is leading to a new generation of interactive devices. Nonetheless, although robots are already common in the industrial sector today, there remain major challenges to overcome before robots become true personal assistants.

Baidu

www.baidu.com

Baidu was founded in 2000 by Internet pioneer Robin Li, creator of visionary search technology Hyperlink Analysis, with the mission of providing the best way for people to find what they're looking for online. Over the past decade we have strived to fulfill this mission by listening carefully to our users' needs and wants. To provide intelligent, relevant search results for the tens of billions of queries that are entered into our search platform every day, we focus on powering the best technology optimized for up-to-date local tastes and preferences. Our deep understanding of Chinese language and culture is central to our success and this kind of knowledge allows us to tailor our search technology for our users' needs. Just to cite one example, we believe there are at least 38 ways of saying "I" in the Chinese language. It is important that we recognize these nuances to effectively address our users' requests.

Tianlian Tech

www.tianliantech.com

Tianlian Technologies is a China-based high-tech company pioneering social manufacturing platforms. It also makes low-cost personal 3D printers based on Digital Light Processing (DLP) and Fused Deposition Model (FDM) technologies, aiming to make 3D printers a must-have on everyone's desktop. Tianlian's social manufacturing platforms consist of CreativityBar™, ThirdDimension™ and So3d™. CreativityBar enables creative designers and users to share their ideas and facilitates the process from "mind to product to commercial markets." ThirdDimension markets and sells innovative and unique products that can be easily made by 3D printing but not through traditional manufacturing means. So3d is the first search engine for 3D models and products in the world. In Chinese, Tianlian means "linking everyone everywhere." With its innovative social manufacturing and 3D printing products and services, Tianlian Technologies is leading the wave of ongoing revolution in socially-driven manufacturing and commerce.

Huawei

www.huawei.com

Huawei is a leading global ICT solutions provider. Through our dedication to customer-centric innovation and strong partnerships, we have established end-to-end capabilities and strengths across the carrier networks, enterprise, consumer, and cloud computing fields. We are committed to creating maximum value for telecom carriers, enterprises and consumers by providing competitive ICT solutions and services. Our products and solutions have been deployed in over 140 countries, serving more than one third of the world's population.

IBM

www.ibm.com

IBM has developed a thoughtful, comprehensive approach to corporate citizenship that we believe aligns with IBM's values and maximizes the impact we can make as a global enterprise. We focus on specific societal issues, including the environment, community economic development, education, health, literacy, language and culture. IBM is committed to environmental leadership in all of our business activities. Our global environmental management system ensures the company is vigilant in protecting the environment across all of its operations worldwide.

Microsoft

www.microsoft.com

At Microsoft, we're motivated and inspired every day by how our customers use our software to find creative solutions to business problems, develop breakthrough ideas, and stay connected to what's most important to them. We run our business in much the same way, and believe our eight business divisions offer the greatest potential to serve our customers. We are committed long term to the mission of helping our customers realize their full potential. Just as we constantly update and improve our products, we want to continually evolve our company to be in the best position to accelerate new technologies as they emerge and to better serve our customers.

ELSEVIER

www.elsevier.com/computerscience

Elsevier is committed to making important contributions to the artificial intelligence community by delivering world-class information and innovative tools. Elsevier's Artificial Intelligence, which commenced publication in 1970, is now the generally accepted premier international forum for the publication of results of current research in this field. The journal welcomes foundational and applied papers describing mature work involving computational accounts of aspects of intelligence. Please visit us at our stand or visit www.elsevier.com/computerscience for more information about Artificial Intelligence journal and Elsevier.

SPRINGER

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www.tandf.co.uk/journals

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continue their education, and help contribute to the advancement of their chosen markets. Our customers are researchers, students, academics and increasingly professionals. All Taylor & Francis journals have their own web pages with full information - visit www.tandf.co.uk/journals for a closer look.

IOS Press BV

www.iospress.nl

IOS Press publishes around 100 international journals and approximately 130 book titles a year, ranging from computer sciences and mathematics to medicine and the natural sciences. This year the 227th volume in the book series Frontiers in Artificial Intelligence and Applications is published. Commencing its publishing activities in 1987, IOS Press serves the information needs of scientific and medical communities worldwide. IOS Press continues its rapid growth, embracing new technologies for the timely dissemination of information.

ROBOY

<http://www.roboy.org>

A unique project team, composed of scholars and industry representatives, has been working on ROBOY since June, 2012. The team combines the latest discoveries from university research with the invaluable expertise of the industry sector to come up with the most state-of-the-art robotics technology. ROBOY was conceived in 2011 via project coordination between internationally leading research institutions and industry partners who are at the forefront of development in mechanics and electronics. One of their first breakthroughs was the anthropomorphic tendon-driven arm (a.k.a. ANTHROB).

IJCAI-15

<http://www.dc.uba.ar>

The booth will display the IJCAI-15 poster as well as materials about Buenos Aires. The booth will be manned by researchers of the Local Arrangements Committee who can answer questions regarding the organization of IJCAI 2015 in Buenos Aires, Argentina.

IJCAI-17

www.ijcai-17.org

We will have a booth to publicize the forthcoming IJCAI-17 conference in Melbourne, Australia.

Timetable	Place	Session	Title	Author/ Authors
08:30 - 09:00	HALL #2		Welcome address	Francesca Rossi
09:00 - 09:45	HALL #2	Invited talk <i>Chair: Francesca Rossi</i>	Computational Disaster Management	Pascal Van Hentenryck
09:45 - 10:15	Coffee Break			
10:15 - 11:05	HALL #2	Invited talk <i>Chair: Kevin Leyton-Brown</i>	Computational Perspectives on Social Phenomena at Global Scales	Jon Kleinberg
11:10 - 12:00	HALL #2	IJCAI-13 Computers and Thought Award <i>Chair: Craig Knowlton Introduced by Raymond J. Mooney</i>	Towards Large-Scale Visual Recognition and Search	Kristen Grauman
12:00 - 13:30	Lunch			
13:30 - 15:15	ROOM 201CD	Award papers <i>Session Chair: Francesca Rossi</i>	IJCAI 2013 distinguished paper	Bayesian Optimization in High Dimensions via Random Embeddings Ziyu Wang, Masrour Zoghi, Frank Hutter, David Matheson, Nando de Freitas
			IJCAI 2013 distinguished paper	Maximizing Flexibility in Simple Temporal Networks Bob Huisman, Tomas Klos, Michel Wilson, Cees Witteveen
			IJCAI-JAIR 2013 best paper award	Adaptive Submodularity: Theory and Applications in Active Learning and Stochastic Optimization Daniel Golovin, Andreas Krause
			2012 ECCAI Dissertation Award	Declarative Pattern Mining using Constraint Programming Tias Guns
13:30 - 15:15	ROOM 307	Constraints, Satisfiability, and Search 1 <i>Session Chair: Meinolf Sellmann</i>	Towards rational deployment of multiple heuristics in A*	Solomon Shimony, Erez Karpas, Ariel Felner, David Tolpin, Tal Beja
			Monte Carlo *-Minimax Search	Marc Lanctot, Abdallah Saffidine, Joel Veness, Chris Archibald, Mark Winands
			Forward Perimeter Search with Controlled Use of Memory	Thorsten Schuett, Robert Doebbelin, Alexander Reinefeld
			Target-Value Search Revisited	Carlos Linares López, Roni Stern, Ariel Felner
13:30 - 15:15	203AB	Agent-based and Multi-agent Systems 1 <i>Session Chair: Ulle Endriss</i>	Maximal Recursive Rule: A New Social Decision Scheme	Haris Aziz
			A Social Welfare Optimal Sequential Allocation Procedure	Thomas Kalinowski, Nina Narodytska, Toby Walsh
			Control in the Presence of Manipulators: Cooperative and Competitive Cases	Zack Fitzsimmons, Edith Hemaspaandra, Lane Hemaspaandra
			Externalities in Cake Cutting	Simina Branzei, Ariel Procaccia, Jie Zhang
13:30 - 15:15	ROOM 305CD	Planning and Scheduling 1 <i>Session Chair: Subbarao Kambhampati</i>	Controlling the Hypothesis Space in Probabilistic Plan Recognition	Froductal Kabanza, Julien Filion, Abder Rezak Benaskeur, Hengameh Irandoust
			The GoDeL Planning System: A more perfect union of Domain-Independent and Hierarchical Planning	Vikas Shivashankar, Ron Alford, Ugur Kuter, Dana Nau
			Flexible Execution of Partial Order Plans With Temporal Constraints	Christian Muise, J. Christopher Beck, Sheila McIlraith

13:30 – 15:15	203CD	Machine Learning 1 <i>Session Chair: Qiang Yang</i>	An Empirical Investigation of Ceteris Paribus Learnability	Loizos Michael, Elena Papageorgiou
			Uniform Convergence, Stability and Learnability for Ranking Problems	Wei Gao, Zhi-Hua Zhou
			Generalized Relational Topic Models with Fast Sampling Algorithms	Ning Chen, Jun Zhu, Fei Xia, Bo Zhang
			Multi-dimensional Causal Discovery	Ulrich Schaechtle, Kostas Stathis, Stefano Bromuri
13:30 – 15:15	201AB	Knowledge Representation, Reasoning and Logic 1 <i>Session Chair: Carsten Lutz</i>	Definability of Horn Revision from Horn Contraction	Zhiqiang Zhuang, Maurice Pagnucco, Yan Zhang
			Computing Stable Models for Nonmonotonic Existential Rules	Despoina Magka, Markus Krötzsch, Ian Horrocks
			Data Repair of Inconsistent DL-programs	Thomas Eiter, Michael Fink, Daria Stepanova
			Bounded Programs: A New Decidable Class of Logic Programs with Function Symbols	Sergio Greco, Cristian Molinaro, Irina Trubitsyna
13:30 – 15:15	ROOM 305AB	Natural-Language Processing 1 <i>Session Chair: Maosong Sun</i>	Opinion Target Extraction Using Partial-Supervised Word Alignment Model	Kang Liu, Liheng Xu, Jun Zhao
			End-to-End Coreference Resolution for Clinical Narratives	Prateek Jindal, Dan Roth
			Integrating Semantic Relatedness and Words' Intrinsic Features for Keyword Extraction	Wei Zhang, Wei Feng, Jianyong Wang
			Integrating Syntactic and Semantic Analysis into the Open Information Extraction Paradigm	Andrea Moro, Roberto Navigli
13:30 – 15:15		Posters	Poster session 1*	AA.VV.
15:15 – 15:45 Coffee Break				
15:45 – 17:30	ROOM 201CD	Best Papers 1 <i>Session Chair: David Poole</i>	UAI 2012: Bayesian Probabilities for Constraint-based Causal Discovery	Tom Claassen and Tom Heskes
			WSDM 2012: Finding Your Friends and Following Them to Where You Are	Adam Sadilek, Henry Kautz and Jeffrey Bigham
			FOIS 2012: Three Semantics for the Core of the Distributed Ontology Language	Till Mossakowski, Christoph Lange and Oliver Kutz
			RR 2012: A Sound and Complete Backward Chaining Algorithm for Existential Rules	Melanie König, Michel Leclere, Marie-Laure Mugnier and Michael Thomazo
15:45 – 17:30	ROOM 305AB	Best Papers 2 <i>Session Chair: Ramon Lopez de la Mantaras</i>	ICCBR 2011: Decision Generalisation from Game Logs in No Limit Texas Hold'em	Jonathan Rubin and Ian Watson
			ICCBR 2011: Preference-based CBR: General Ideas and Basic Principles	Eyke Huellermeier and Weiwei Cheng
			ICCBR 2012: A Case-Based Solution to the Cold-Start Problem in Group Recommenders	Lara Quijano-Sanchez, Derek Bridge, Belen Diaz-Agudo and Juan Recio-Garcia
			ICCBR 2012: Case Adaptation with Qualitative Algebras	Valmi Dufour-Lussier, Florence Le Ber, Jean Lieber and Laura Martin
15:45 – 17:30	ROOM 307	Constraints, Satisfiability, and Search 2 <i>Session Chair: Meinolf Sellmann</i>	Extending Simple Tabular Reduction with Short Supports	Christopher Jefferson, Peter Nightingale
			Detecting and Exploiting Subproblem Tractability	Christian Bessiere, Clement Carbonnel, Emmanuel Hebrard, George Katsirelos, Toby Walsh
			Search Strategies for Optimal Multi-Way Number Partitioning	Michael Moffitt
			Constraint Satisfaction and Fair Multi-Objective Optimization Problems	Gianluigi Greco, Francesco Scarcello

15:45 – 17:30	203AB	Agent-based and Multi-agent Systems 2 <i>Session Chair: Brent Venable</i>	Analysis and Optimization of Multi-dimensional Percentile Mechanisms	Xin Sui, Craig Boutilier, Tuomas Sandholm
			Fully Proportional Representation as Resource Allocation: Approximability Results	Piotr Skowron, Piotr Faliszewski, Arkadii Slinko
			Efficient Vote Elicitation under Candidate Uncertainty	Joel Oren, Yuval Filmus, Craig Boutilier
			Elicitation and Approximately Stable Matching with Partial Preferences	Joanna Drummond, Craig Boutilier
15:45 – 17:30	ROOM 305CD	Planning and Scheduling 2 <i>Session Chair: Shlomo Zilberstein</i>	Action-Model Acquisition from Noisy Plan Traces	Hankz Hankui Zhuo, Rao Kambhampati
			Problem Splitting using Heuristic Search in Landmark Orderings	Simon Vernhes, Guillaume Infantes, Vincent Vidal
			Symbolic Merge-and-Shrink for Cost-Optimal Planning	Álvaro Torralba, Carlos Linares López, Daniel Borrajo
			Plan Quality Optimisation via Block Decomposition	Fazlul Siddiqui, Patrik Haslum
15:45 – 17:30	203CD	Machine Learning 2 <i>Session Chair: Zhi-Hua Zhou</i>	A Theoretic Framework of K-means-based Consensus Clustering	Junjie Wu, Hongfu Liu, Hui Xiong
			Multi-modal Distance Learning	Xie Pengtao
			Tag-Weighted Topic Model for Mining Documents with Labels	Shuangyi Li
			Protein Function Prediction using Multiple Kernels	Guoxian Yu, Huzefa Rangwala, Carlotta Domeniconi, Guojl Zhang, Zili Zhang
15:45 – 17:30	201AB	Knowledge Representation, Reasoning and Logic 2 <i>Session Chair: Alessio Lomuscio</i>	Backdoors to Abduction	Andreas Pfandler, Stefan Rümmele, Stefan Szeider
			On the Complexity of Probabilistic Abstract Argumentation	Bettina Fazzinga, Sergio Flesca, Francesco Parisi
			The Impact of Disjunction on Query Answering Under Guarded-based Existential Rules	Pierre Bourhis, Michael Morak, Andreas Pieris
			Towards a Knowledge Compilation Map for Heterogeneous Representation Languages	Hélène Fargier, Pierre Marquis, Alexandre Niveau
15:45 – 17:30	ROOM 311AB	Natural-Language Processing 2 <i>Session Chair: Xianchao Wu</i>	Combine Constituent and Dependency Parsing via Reranking	Xiaona Ren
			i, Poet: Chinese Poetry Composition through a Summarization Framework under Constrained Optimization	Rui Yan, Han Jiang, Mirella Lapata, Shou-De Lin, Xiaoming Li
			Smoothing for Bracketing Induction	Duan Xiangyu
			Fast Linearization of Tree Kernels over Large-Scale Data	Aliaksei Severyn, Alessandro Moschitti
15:45 – 17:30		Posters	Poster session 2*	AA.VV.

*Titles and names of all poster authors can be found from page 46 to 60

Timetable	Place	Session	Title	Author/ Authors
08:30 - 09:45	ROOM 201CD	Best Papers 3 <i>Session Chair: Maria Gini</i>	RSS 2012: A new trajectory deformation algorithm based on affine transformations	Quang-Cuong Pham and Yoshihiko Nakamura
			ICRA 2012: The RoboEarth Language: Representing and Exchanging Knowledge about Actions, Objects, and Environments	Moritz Tenorth, Alexander Perzylo, Reinhard Lafrenz and Michael Beetz
			IUI 2012: User-Centered Programming by Demonstration: Stylistic Elements of Behavior	James Young, Kentaro Ishii, Takeo Igarashi and Ehud Sharlin
08:30 - 09:45	ROOM 305AB	Best Thesis 1 <i>Session Chair: Brent Venable</i>	CP 2012ACP Doctoral Research Award: Improving Combinatorial Optimization-Thesis Summary	Geoffrey Chu
			ICAPS 2012ICAPS Best Dissertation Award: Landmark-Based Heuristics and Search Control for Automated Planning	Silvia Richter
			KDD 2012KDD Dissertation Award: Scalable Dynamic Nonparametric Bayesian Models of Content and Users	Amr Ahmed and Eric Xing
08:30 - 09:45	ROOM 307	Constraints, Satisfiability, and Search 3 <i>Session Chair: Toby Walsh</i>	Heuristic Subset Selection	Chris Rayner, Nathan Sturtevant, Michael Bowling
			Predicting the Size of Depth-First Branch and Bound Search Tree	Levi Lelis, Lars Otten, Rina Dechter
			Breakout local search for the vertex separator problem	Benlic Una, Jin-Kao Hao
08:30 - 09:45	203AB	Agent-based and Multi-agent Systems 3 <i>Session Chair: Piotr Faliszewski</i>	Using Double-oracle Method and Serialized Alpha-Beta Search for Pruning in Simultaneous Moves Games	Branislav Bosansky, Jiri Cermak, Viliam Lisý, Roman Vitek, Michal Pechoucek
			Bargaining for Revenue Shares on Tree Trading Networks	Arpita Ghosh, Satyen Kale, Kevin Lang, Benjamin Moseley
			On the Variance of the Shapley value in Weighted Voting Games	Yair Zick
08:30 - 09:45	ROOM 305CD	Agent-based and Multi-agent Systems 4 <i>Session Chair: Boi Faltings</i>	Multi-dimensional Single-peaked Consistency and its Approximations	Xin Sui, Alex Francois-Nienaber, Craig Boutilier
			Undecidability of epistemic multi-agent planning	Guillaume Aucher, Thomas Bolander
			Intention-Aware Routing to Minimise Delays at Electric Vehicle Charging Stations	Mathijs de Weerd, Enrico Gerding, Sebastian Stein, Valentin Robu, Nick Jennings
08:30 - 09:45	203CD	Machine Learning 3 <i>Session Chair: Lud De Raedt</i>	Linear Bayesian Reinforcement Learning	Nikolaos Tziortziotis, Christos Dimitrakakis, Konstantinos D. Blekas
			Path Integral Control by Reproducing Kernel Hilbert Space Embedding	Konrad Rawlik, Marc Toussaint, Sethu Vijayakumar
			Online Expectation Maximization for Reinforcement Learning in POMDPs	Miao Liu, Xuejun Liao, Lawrence Carin
08:30 - 09:45	201AB	Knowledge Representation, Reasoning and Logic 3 <i>Session Chair: Maurice Pagnucco</i>	Positive Subsumption in Fuzzy EL with General ℓ -norms	Stefan Borgwardt, Rafael Peñaloza
			Ontology-Based Data Access with Closed Predicates is Inherently Intractable (Sometimes)	Carsten Lutz, Inanc Seylan, Frank Wolter
			Tractable Approximations of Consistent Query Answering for Robust Ontology-Based Data Access	Meghyn Bienvenu, Riccardo Rosati
08:30 - 09:45	ROOM 311AB	Knowledge Representation, Reasoning and Logic 4 <i>Session Chair: Yves Lesperance</i>	Linear Temporal Logic and Linear Dynamic Logic on Finite Traces	Giuseppe De Giacomo, Moshe Vardi
			The Markov Assumption: Formalization and Impact	Alexander Bochman
			StarVars-Effective Reasoning about Relative Direction Information	Jae Hee Lee, Jochen Renz, Diedrich Wolter

08:30 - 09:45		Posters	Poster session 3*	AA.VV.
09:45 - 10:15	Coffee Break			
10:15 - 12:00	ROOM 201CD	Best Papers 4 <i>Session Chair: Alessandro Sperduti</i>	RSS 2012: On Stochastic Optimal Control and Reinforcement Learning by Approximate Inference	Konrad Rawlik, Marc Toussaint and Sethu Vijayakumar
			KDD 2012: Data Mining a Trillion Time Series Subsequences Under Dynamic Time Warping	Thanawin Rakthanmanon, Eamonn Keogh, Gustavo Batista, Bilson Campana, Abdullah Mueen, Brandon Westover, Qiang Zhu and Jesin Zakaria
			COLT 2012: Exact Recovery of Sparsely-Used Dictionaries	Daniel Spielman, Huan Wang and John Wright
10:15 - 12:00	ROOM 305AB	Multidisciplinary Topics And Applications 1 <i>Session Chair: Pedro Meseguer</i>	ECML 2012: Active Evaluation of Ranking Functions based on Graded Relevance	Christoph Sawade, Steffen Bickel, Timo von Oertzen, Tobias Scheffer and Niels Landwehr
			A Cutoff Technique for the Verification of Parameterised IS with Parameterised Environments	Panagiotis Kouvaros, Alessio Lomuscio
			Personalized Diagnosis for Over-Constrained Problems	Alexander Felfernig, Monika Schubert, Stefan Reiterer
10:15 - 12:00	ROOM 307	Constraints, Satisfiability, and Search 4 <i>Session Chair: Brent Venable</i>	Deep Sparse Coding based Recursive Disaggregation Model for Water Conservation	Haili Dong, Bingsheng Wang
			A Brain-Computer Interface to a Plan-Based Narrative	Stephen Gilroy, Julie Porteous, Fred Charles, Marc Cavazza, Gal Raz, Ilana Klovatch, Limor Ikar, Eyal Soreq, Udi Ben-Arie, Talma Hendler
			Maintaining alternative values in constraint-based configuration	Caroline Becker, H�el�ene Fargier
10:15 - 12:00	203AB	Agent-based and Multi-agent Systems 5 <i>Session Chair: Piotr Faliszewski</i>	DeQED: an Efficient Divide-and-Coordinate Algorithm for DCOP	Daisuke Hatano, Katsutoshi Hirayama
			On the complexity of global scheduling constraints under structural restrictions	Geoffrey Chu, Serge Gaspers, Nina Narodytska, Andreas Schutt, Toby Walsh
			The Extended Global Cardinality Constraint: An Empirical Survey: Extended Abstract	Peter Nightingale
10:15 - 12:00	ROOM 305CD	Planning and Scheduling 3 <i>Session Chair: Malte Helmert</i>	Endogenous Boolean Games	Paolo Turrini
			Coalitional Games via Network Flows	Talal Rahwan, Tri-Dung Nguyen, Tomasz Michalak, Maria Polukarov, Madalina Croitoru, Michael Wooldridge, Nick Jennings
			Macau: A Basis for Evaluating Reputation Systems	Chris Hazard, Munindar Singh
10:15 - 12:00	ROOM 305CD	Planning and Scheduling 3 <i>Session Chair: Malte Helmert</i>	Multi-agent Team Formation - Diversity Beats Strength?	Leandro Soriano Marcolino, Albert Xin Jiang, Milind Tambe
			Towards Practical Planning to Predict and Exploit Intentions for Interacting with Self-Interested Ag	Trong Nghia Hoang, Bryan Kian Hsiang Low
			Fault-Tolerant Planning under Uncertainty	Luis Pineda, Yi Lu, Shlomo Zilberstein, Claudia Goldman
10:15 - 12:00	ROOM 305CD	Planning and Scheduling 3 <i>Session Chair: Malte Helmert</i>	Causal Belief Decomposition for Planning with Sensing: Completeness and Practical Approximation	Blai Bonet, Hector Geffner
			Fair LTL Synthesis for Non-Deterministic Systems using Strong Cyclic Planners	Fabio Patrizi, Nir Lipovetzky, Hector Geffner

*Titles and names of all poster authors can be found from page 46 to 60

10:15 - 12:00	203CD	Machine Learning 4 <i>Session Chair: Luc De Raedt</i>	Lazy Paired Hyper-Parameter Tuning	Alice Zheng, Mikhail Bilenko
			Unlearning from Demonstration	Keith Sullivan, Ahmed Molla, Bill Squires, Sean Luke
			Domain Adaptation with Topical Correspondence Learning	Zheng Chen, Weixiong Zhang
			Multi-Instance Multi-Label Learning with Weak Label	Shu-Jun Yang, Yuan Jiang, Zhi-Hua Zhou
10:15 - 12:00	201AB	Knowledge Representation, Reasoning and Logic 5 <i>Session Chair: Luis Godo</i>	Granular Description of Qualitative Change	John Stell
			Efficient Algorithm for the Minimal Labeling Problem of Temporal and Spatial Qualitative Constraints	Nouhad Amaneddine, Jean-François Condotta, Michael Sioutis
			A Strongly-Local Contextual Logic	Michael Gratton
			Syntactic Computation of Hybrid Possibilistic Conditioning under Uncertain Inputs	Salem Benferhat, Celia da Costa Pereira, Andrea Tettamanzi
10:15 - 12:00	ROOM 311AB	Natural-Language Processing 3 <i>Session Chair: Zhengyu Niu</i>	Generalized biwords for bitext compression and translation spotting: Extended abstract	Felipe Sánchez-Martínez, Rafael C. Carrasco, Miguel A. Martínez-Prieto, Joaquín Adiego
			The CQC Algorithm: Cycling in Graphs to Semantically Enrich and Enhance a Bilingual Dictionary: Extended abstract	Tiziano Flati, Roberto Navigli
			Revisiting Centrality-as-Relevance: Support Sets and Similarity as Geometric Proximity – Extended abstract	Ricardo Ribeiro, David Martins de Matos
			Computing Text Semantic Relatedness using the Contents and Links of a Hypertext Encyclopedia: Extended abstract	Majid Yazdani, Andrei Popescu-Belis
10:15 - 12:00		Posters	Poster session 4*	AA.VV.
12:00 - 13:30	Lunch			
13:30 - 14:20	HALL #2	Invited talk <i>Chair: Sebastian Thrun</i>	Symbiotic AI: an approach to artificial intelligence through first-person sensing	Thad Starner
14:25 - 15:15	HALL #2	Invited talk <i>Chair: Carla Gomes</i>	Computing for conservation	Steven Phillips
15:15 - 15:45	Coffee Break			
15:45 - 17:30	HALL #2	Debate <i>Session Chair: Stuart Russell</i>	The debate on banning autonomous weapons	Noel Sharkey
15:45 - 17:30	ROOM 201CD	Best Papers 5 <i>Session Chair: Zhi-Hua Zhou</i>	UMAP 2011: Twitter-based User Modeling for News Recommendations	Fabian Abel, Qi Gao, Geert-Jan Houben and Ke Tao
			PKDD 2012: Socioscope: Spatio-Temporal Signal Recovery from Social Media	Jun-Ming Xu, Aniruddha Bhargava, Robert Nowak and Xiaojin Zhu
			EC 2012: Improving the Effectiveness of Time-Based Display Advertising	Dan Goldstein, Preston McAfee and Siddharth Suri
			ISWC 2012: Discovering Alignments in Ontologies of Linked Data	Rahul Parundekar, Craig Knoblock and José Luis Ambite
15:45 - 17:30	ROOM 308	Multidisciplinary Topics And Applications 2 <i>Session Chair:</i>	Misleading Opinions Provided by Advisors: Dishonesty or Subjectivity	Hui Fang, Yang Bao, Jie Zhang
			How to predict human strategic decisions using facial expressions	Noam Peled, Moshe Bitan, Joseph Keshet, Sarit Kraus

15:45 - 17:30	ROOM 307	Constraints, Satisfiability, and Search 5 <i>Session Chair: Toby Walsh</i>	Breaking Symmetries in Graph Representation	Michael Codish, Alice Miller, Patrick Prosser, Peter Stuckey
			On Computing Minimal Correction Subsets	Joao Marques-Silva, Federico Heras, Mikolas Janota, Alessandro Previti, Anton Below
			Dominance Rules for the Choquet Integral in Multiobjective Dynamic Programming	Lucie Galand, Julien Lesca, Patrice Perny
			Algorithms for Generating Ordered Solutions for Explicit AND/OR Structures	Priyanka Ghosh, Amit Sharma, Partha Chakrabarti, Pallab Dasgupta
15:45 - 17:30	203AB	Agent-based and Multi-agent Systems 6 <i>Session Chair: Milind Tambe</i>	Modeling Social Causality and Responsibility Judgment in Multi-Agent Interactions: Extended abstract	Wenji Mao, Jonathan Gratch
			An Efficient Vector-Based Representation for Coalitional Games	Long Tran-Thanh, Tri-Dung Nguyen, Talal Rahwan, Alex Rogers, Nick Jennings
			Defender (Mis)coordination in Security Games	Albert Xin Jiang, Ariel Procaccia, Yundi Qian, Nisarg Shah, Milind Tambe
			Computational Analysis of Connectivity Games with Applications to Terrorist Networks	Tomasz Michalak, Talal Rahwan, Piotr Szczepanski, Oskar Skibski, Ramasuri Narayanam, Nick Jennings, Michael Wooldridge
15:45 - 17:30	ROOM 305CD	Planning and Scheduling 4 <i>Session Chair: Shlomo Zilberstein</i>	Getting the Most Out of Pattern Databases for Classical Planning	Florian Pommerening, Gabriele Röger, Malte Helmert
			An Admissible Heuristic for SAS Planning Obtained from the State Equation	Blai Bonet
			Continuously Relaxing Over-constrained Conditional Temporal Problems	Peng Yu, Brian Williams
15:45 - 17:30	203CD	Machine Learning 5 <i>Session Chair: Giovanni Da San Martino</i>	Learning Canonical Correlations of Paired Tensor Sets via Tensor-to-Vector Projection	Haiping Lu
			Sparse Reconstruction for Weakly Supervised Semantic Segmentation	Ke Zhang, Zhang Wei, Zheng Yingbin, Xue Xiangyang
			Manifold Alignment Preserving Global Geometry	Chang Wang, Sridhar Mahadevan
			Hartigan's K-means vs. Lloyd's K-means- is it time for a change?	Noam Slonim, Ehud Aharoni, Koby Crammer
15:45 - 17:30	201AB	Knowledge Representation, Reasoning and Logic 6 <i>Session Chair: Alessio Lomuscio</i>	Multi-agent Epistemic Explanatory Diagnosis via Reasoning about Actions	Quan Yu, Ximing Wen, Yongmei Liu
			Bounded Epistemic Situation Calculus Theories	Giuseppe De Giacomo, Yves Lespérance, Fabio Patrizi
			Multi-Agent Subset Space Logic	Yi Wang, Thomas Ågotnes
			Action Language BC: Preliminary Report	Joohyung Lee, Vladimir Lifschitz, Fangkai Yang
15:45 - 17:30	Room 311AB	Natural-Language Processing 4 <i>Session Chair: Shiqi Zhao</i>	Modeling Lexical Cohesion for Document-Level Machine Translation	Deyi Xiong, Guosheng Ben, Min Zhang, Yajuan Lv, Qun Liu
			Identifying Useful Human Feedback from an On-line Translation Service	Alberto Barrón-Cedeño, Iñis Marquez, Carlos A. Henríquez Q., Formiga Luís
			Joint and Coupled Bilingual Topic Model Based Sentence Representations for Language Model Adaptation	Shixiang Lu, Xiaoyin Fu, Wei Wei, Bo Xu
			Evaluating Indirect Strategies for Chinese-Spanish Statistical Machine Translation: Extended Abstract	Marta R. Costa-Jussà, Carlos A. Henríquez Q., Rafael Banchs
15:45 - 17:30		Posters	Poster session 5*	AA.VV.

*Titles and names of all poster authors can be found from page 46 to 60

Timetable	Place	Session	Title	Author/ Authors
08:30 – 09:20	HALL #2	Invited talk <i>Chair: Mary-Anne Williams</i>	“Soft Robotics” – the next generation of intelligent machines	
09:20 – 09:45	HALL #2	Competitions’ awards <i>Chair: Patrick Doherty</i>	Best videos and award ceremony for video competition	
09:20 – 09:45	ROOM 307	Special event <i>Chair: Toby Walsh</i>	Launch of AI Access Books	
09:45 – 10:15 Coffee Break				
10:15 – 11:05	HALL #2	Invited talk <i>Chair: David Poole</i>	Learning as program induction	Joshua Tenenbaum
11:10 – 12:00	HALL #2	IJCAI-13 Award for Research Excellence <i>Chair: Craig Knoblock, Introduced by Gerhard Lakemeyer</i>	On our Best Behaviour	Hector Levesque
12:45 – 13:30	ROOM 305CD	IJCAI Annual Business Meeting (open to all)		
12:00 – 13:30 Lunch				
13:30 – 15:15	ROOM 201CD	Best Papers 6 <i>Session Chair: Alessandro Sperduti</i>	RecSys 2012: CLIMF: Collaborative Less-is-More Filtering	Yue Shi, Alexandros Karatzoglou, Linas Baltrunas, Martha Larson, Nuria Oliver and Alan Hanjalic
			ACL 2012: Statistical Parsing with Probabilistic Symbol-Refined Tree Substitution Grammars	Hiroyuki Shindo, Yusuke Miyao, Akinori Fujino and Masaaki Nagata
			ACL 2012: An Introduction to String Re-Writing Kernel	Fan Bu, Hang Li and Xiaoyan Zhu
			RecSys 2011: Collaborative Filtering on Ordinal User Feedback	Yehuda Koren and Joseph Sill
13:30 – 15:15	ROOM 305AB	Uncertainty in AI 1 <i>Session Chair: Luc De Raedt</i>	Probabilistic Reasoning with Undefined Properties in Ontologically-Grounded Belief Networks	Chia-Li Kuo, David Buchman, Arzoo Katiyar, David Poole
			The Inclusion-Exclusion Rule and its Application to the Junction Tree Algorithm	David Smith, Vibhav Gogate
			Probabilistic Constraint Logic Programming	Steffen Michels, Arjen Hommersom, Peter Lucas, Marina Velikova, Pieter Koopman
			An Exact Algorithm for Computing the Same-Decision Probability	Suming Chen, Arthur Choi, Adnan Darwiche
13:30 – 15:15	ROOM 307	Web and Knowledge-based Information Systems 1 <i>Session Chair: Carlos Sierra</i>	Group Preference based Bayesian Personalized Ranking for One-Class Collaborative Filtering	Weike Pan, Li Chen
			Social Collaborative Filtering by Trust	Bo Yang, Yu Lei, Dayou Liu, Jiming Liu
			Promoting Diversity in Recommendation by Entropy Regularizer	Lijing Qin, Xiaoyan Zhu
			Cross-Domain Collaborative Filtering via Bilinear Multilevel Analysis	Liang Hu, Jian Cao, Guandong Xu, Jie Wang, Zhiping Gu
13:30 – 15:15	203AB	Agent-based and Multi-agent Systems 7 <i>Session Chair: Ulle Endriss</i>	Are there any nicely structured preference profiles nearby?	Robert Bredereck, Jiehua Chen, Gerhard J. Woeginger
			Multi-winner Social Choice with Incomplete Preferences	Tyler Lu, Craig Boutilier
			How to Persuade a Group to Change its Collective Decision?	Noam Hazon, Raz Lin, Sarit Kraus
			Proportional Representation Under Preferences That Are Single-peaked on a Tree	Lan Yu, Hau Chan, Edith Elkind

13:30 - 15:15	ROOM 305CD	AI and Computational Sustainability 1 <i>Session Chair: Carla Gomes</i>	Outstanding student paper: A Hidden Markov Model-Based Cicada Detector for Crowdsourced Smartphone Biodiversity Monitoring	Davide Zilli, Oliver Parson, Geoff V Merrett, Alex Rogers
			Parameter Learning for Latent Network Diffusion	Xiaojuan Wu, Akshat Kumar, Daniel Sheldon, Shlomo Zilberstein
			Optimal Pricing for Improving Efficiency of Taxi Systems	Jiarui Gan, Bo An, Haizhong Wang, Xiaoming Sun, Zhongzhi Shi
13:30 - 15:15	203CD	Machine Learning 6 <i>Session Chair: Andreas Krause</i>	Basic Level in Formal Concept Analysis: Interesting Concepts and Psychological Ramifications	Radim Belohlavek, Martin Trnecka
			Towards Understanding Global Spread of Disease from Everyday Interpersonal Interactions	Sean Brennan, Adam Sadilek, Henry Kautz
			Towards Robust Co-Clustering	Liang Du, Yidong Shen
13:30 - 15:15	201AB	Knowledge Representation, Reasoning and Logic 7 <i>Session Chair: Piotr Faliszewski</i>	What Users Care about: a Framework for Social Content Alignment	Lei Hou, Juanzi Li, Xiaoli Li, Jiangfeng Qu, Xiaofei Guo, Ou Hui, Jie Tang
			Iterated Boolean Games	Julian Gutierrez, Paul Harrenstein, Michael Wooldridge
			Transition Constraints: A Study on the Computational Complexity of Qualitative Change	Matthias Westphal, Julien Hue, Stefan Wolf, Bernhard Nebel
			Combining RCC5 relations with betweenness information	Steven Schockaert, Sanjiang Li
13:30 - 15:15	ROOM 311AB	Robotics and Vision <i>Session Chair: Mary-Anne Williams</i>	Behavioral Diagnosis of LTL Specifications at Operator Level	Ingo Pill, Thomas Quaritsch
			Learning Visual Symbols for Parsing Human Pose in Images	Fang Wang, Yi Li
			Histogram of Oriented Displacements (HOD): Describing Trajectories of Human Joints for Action Recognition	Mohammad Gowayyed, Marwan Toriki, Mohamed Hussein, Motaz El-Saban
13:30 - 15:15		Posters	Hierarchical Object Discovery and Dense Modelling From Motion Cues in RGB-D Video	Jörg Stückler, Sven Behnke
			Poster session 6*	AA.VV.
15:15 - 15:45 Coffee Break				
15:45 - 17:30	ROOM 201CD	Best Thesis 2 <i>Session Chair: Shlomo Zilberstein</i>	2011ECCAI Artificial Intelligence Dissertation Award : Learning Probabilistic Models for Mobile Manipulation Robots	Jürgen Sturm and Wolfram Burgard
			AAMAS 2012IFAAMAS-11 Victor Lesser Distinguished Dissertation Award: Social Norms for Self-policing Multi-agent Systems and Virtual Societies	Daniel Villatoro
			AAMAS 2012IFAAMAS-12 Victor Lesser Distinguished Dissertation Award: Cultural Diversity for Virtual Characters	Birgit Endrass
15:45 - 17:30	ROOM 305AB	Uncertainty in AI 2 <i>Session Chair: Blai Bonet</i>	Risk Estimates for Bandit Problems	Jia Yuan Yu, Evdokia Nikolova
			Map Matching with Multiple Route Metrics	Takayuki Osogami, Rudy Raymond
15:45 - 17:30	ROOM 307	Web and Knowledge-based Information Systems 2 <i>Session Chair: Carlos Sierra</i>	Social Spammer Detection in Microblogging	Xia Hu, Jiliang Tang, Huan Liu, Zhang Yanchao
			PageRank with Priors: An Influence Propagation Perspective	Biao Xiang, Qi Liu, Enhong Chen, Hui Xiong, Yi Zheng
			Parametric Local Multimodal Hashing for Cross-view Similarity Search	Deming Zhai, Hong Chang, Yi Zhen, Xianming Liu, Wen Gao
			Context-Dependent Conceptualization	Dongwoo Kim, Haixun Wang, Alice Oh

15:45 - 17:30	203AB	Agent-based and Multi-agent Systems 8 <i>Session Chair: Kevin Leyton-Brown</i>	Revenue Maximization via Hiding Item Attributes	Mingyu Guo, Argyrios Deligkas
			Efficient Interdependent Value Combinatorial Auctions with Single-Minded Bidders	Valentin Robu, David Parkes, Takayuki Ito, Nick Jennings
			Reasoning about normative update	Natasha Alechina, Mehdi Dastani, Brian Logan
15:45 - 17:30	ROOM 305CD	AI and Computational Sustainability 2 <i>Session Chair: Carla Gomes</i>	Optimally Solving Dec-POMDPs as Continuous-State MDPs	Jilles Dibangoye, Christopher Amato, Olivier Buffet, Francois Charpillet
			Bayesian Joint Inversions for the Exploration of Earth Resources	Alistair Reid, Simon O'Callaghan, Edwin Bonilla, Lachlan McCalman, Tim Rawling, Fabio Ramos
			Randomized Load Control: A Simple Distributed Approach for Scheduling Smart Appliances	Menkes van den Briel, Paul Scott, Sylvie Thiebaux
			Forecasting Multi-Appliance Usage for Smart Home Energy Management	Ngoc Cuong Truong, James McInerney, Long Tran-Thanh, Enrico Costanza, Sarvapali Ramchurn
15:45 - 17:30	203CD	Machine Learning 7 <i>Session Chair: Zhi-Hua Zhou</i>	Planning with MIP for Supply Restoration in Power Distribution Systems	Sylvie Thiebaux, Carleton Coffrin, Hassan Hijazi, John Slaney
			Multi-View Embedding Learning for Incompletely Labeled Data	Wei Zhang, Ke Zhang, Pan Gu, Xiangyang Xue
			The Multi-feature Information Bottleneck with Application to Unsupervised Image Categorization	Zhengzheng Lou, Yangdong Ye, Xiaoqiang Yan
			Bootstrap learning via modular concept discovery	Dechter Eyal, Jon Malmud, Ryan P. Adams, Joshua B. Tenenbaum
15:45 - 17:30	201AB	Knowledge Representation, Reasoning and Logic 8 <i>Session Chair: Carsten Lutz</i>	Persistent Homology: An Introduction and a Text Application	Xiaojin Zhu
			Computing Datalog Rewritings Beyond Horn Ontologies	Bernardo Cuenca Grau, Giorgos Stoilos, Boris Motik, Ian Horrocks
			Most Specific Generalizations w.r.t. General EL-TBoxes	Benjamin Zariweli, Anni-Yasmin Turhan
			Tractable Queries for Lightweight Description Logics	Meghyn Bienvenu, Magdalena Ortíz, Mantas Simkus, Guohui Xiao
15:45 - 17:30		Posters	Syntactic Labelled Tableaux for Lukasiewicz Fuzzy ALC	Agnieszka Kulacka, Dirk Pattinson, Lutz Schröder
			Poster session 7*	AA.VV.

*Titles and names of all poster authors can be found from page 46 to 60

Timetable	Place	Session	Title	Author/ Authors
08:30 – 09:45	ROOM 201CD	Best Papers 7 Session Chair: Maurice Pagnucco	SAT 2012: An Improved Separation of Regular Resolution from Pool Resolution and Clause Learning	Maria Luisa Bonet and Sam Buss
			ICLP 2012: Satisfiability Modulo Constraint Handling Rules	Gregory Duck
			ICLP 2011: Optimal Valve Placement in Water Distribution Networks with CLP(FD)	Massimiliano Cattaï, Marco Gavaneli, Maddalena Nonato, Stefano Alvisi and Marco Franchini
08:30 – 09:45	ROOM 305AB	Machine Learning 8 Session Chair: Boi Faltings	Active Learning for Teaching a Robot Grounded Relational Symbols	Johannes Kulick, Marc Toussaint, Tobias Lang, Manuel Lopes
			Active Learning for Level Set Estimation	Alkis Gotovos, Nathalie Casati, Gregory Hitz, Andreas Krause
			Outstanding paper: Semi-Supervised Learning for Integration of Aerosol Predictions from Multiple Satellite Instruments	Nemanja Djuric, Lakesh Kansakar, Slobodan Vucetic
08:30 – 09:45	ROOM 307	Agent-based and Multi-agent Systems 9 Session Chair: Maria Gini	Action Translation in Extensive-Form Games with Large Action Spaces: Axioms, Paradoxes, and the Pseudo-Harmonic Mapping	Sam Ganzfried, Tuomas Sandholm
			Game-Theoretic Problem Selection for Tests	Li Yuqian, Vincent Conitzer
			Sequential Equilibrium in Computational Games	Joseph Halpern, Rafael Pass
08:30 – 09:45	203AB	Agent-based and Multi-agent Systems 10 Session Chair: Umberto Grandi	Evolution of Common-Pool Resources and Social Welfare in Structured Populations	Jean-Sébastien Lerat, The Anh Han, Tom Lenaerts
			Communicating Open Systems: Extended Abstract	Mark D'Inverno, Michael Luck, Pablo Noriega, Juan Antonio Rodriguez Aguilar, Carles Sierra
			Why so hard to say sorry: evolution of apology with commitment in the iterated Prisoner's Dilemma	The Anh Han, Luis Pereira, Francisco C. Santos, Tom Lenaerts
08:30 – 09:45	203CD	Machine Learning 9 Session Chair: Alessandro Sperduti	A KNN Based Kalman Filter Gaussian Process Regression	Yali Wang, Brahim Chaib-draa
			Large Scale Online Kernel Classification	Jialei Wang, Steven Hoi, Peilin Zhao
			Active Learning with Multi-label SVM Classification	Xin Li, Yuhong Guo
08:30 – 09:45	201AB	Knowledge Representation, Reasoning and Logic 9 Session Chair: Alessio Lomuscio	First Order-Rewritability of Atomic Queries in Horn Description Logics	Meghyn Bienvenu, Carsten Lutz, Frank Wolter
			Temporal Description Logic for Ontology-Based Data Access	Alessandro Artale, Roman Kontchakov, Frank Wolter, Michael Zakharyashev
			Preference-based Query Answering in Datalog+/- Ontologies	Thomas Lukasiewicz, Maria Vanina Martinez, Gerardo Simari
08:30 – 09:45	ROOM 305CD	Natural-Language Processing 5 Session Chair: Shiqi Zhao	A Clause-level Hybrid Approach to Chinese Empty Element Recovery	Fang Kong, Guodong Zhou
			Instance Selection and Instance Weighting for Cross-domain Sentiment Classification via PU Learning	Rui Xia, Xuelei Hu, Jianfeng Lu, Jian Yang, Chengqing Zong
			Answer Extraction from Passage Graph for Factoid Question Answering	Hong Sun, Nan Duan, Yajuan Duan, Ming Zhou
08:30 – 09:45		Posters	Poster session 8*	AA.VV.
09:45 – 10:15 Coffee Break				
10:15 – 12:00	ROOM 201CD	Best Papers 8 Session Chair: Umberto Grandi	JELIA 2012: The complexity of one-agent refinement modal logic	Laura Bozzelli, Hans van Ditmarsch and Sophie Pinchinat
			JELIA 2012: Using Strategic Logics to Reason about Agent Programs	Nitin Yadav and Sebastian Sardina
			CHI 2013: At Home with Agents: Exploring Attitudes Towards Future Smart Energy Infrastructures	Tom A. Rodden, Joel E. Fischer, Nadia Pantidi, Khaled Bachour and Stuart Moran
			TARK 2013: Language-based Games (Extended Abstract)	Adam Bjorndahl, Joseph Halpern and Rafael Pass

10:15 – 12:00	ROOM 305AB	Machine Learning 10 Session Chair: Alessandro Sperduti	Shifted Subspaces Tracking on Sparse Outlier	Tianyi Zhou
			Dimensionality reduction with generalized linear model	Mo Chen, Wei Li
			Probabilistic Multi-label Classification with Sparse Feature Learning	Yuhong Guo
10:15 – 12:00	ROOM 307	Constraints, Satisfiability, and Search 6 Session Chair: Jimmy Lee	Deep Feature Learning using Target Priors with Applications in ECoG Signal Decoding for BCI	Zuoguan Wang, Siwei Lyu, Qiang Ji
			Improved Integer Programming Approaches for the Chance-Constrained Stochastic Programming	Hiroki Yanagisawa, Takayuki Osogami
10:15 – 12:00	203AB	Agent-based and Multi-agent Systems 11 Session Chair: Milind Tambe	On the Approximation Ability of Evolutionary Optimization with Application to Minimum Set Cover: Extended Abstract	Yang Yu, Xin Yao, Zhi-Hua Zhou
			Audience-Based Uncertainty in Abstract Argument Games	Davide Grossi, Wiebe van der Hoek
			Scaling Up Joint Activity Based Security Games	Eric Shieh, Manish Jain, Albert Xin Jiang, Milind Tambe
			Scaling-up Security Games with Boundedly Rational Adversaries: A Cutting-plane Approach	Rong Yang, Albert Xin Jiang, Milind Tambe, Fernando Ordóñez
10:15 – 12:00	ROOM 305CD	Web and Knowledge-based Information Systems 3 Session Chair: Boi Faltings	Audit Games	Jeremiah Blocki, Nicolas Christin, Anupam Datta, Ariel Procaccia, Arunesh Sinha
			Robust Rank-K Matrix Completion	Jin Huang, Feiping Nie, Heng Huang
			Listen to the Crowd: Automated analysis of Live Events via Aggregated Twitter Sentiment	Yuheng Hu
			Multiple Link Sign Prediction in Online Signed Social Networks	Priyanka Agrawal, Vikas K. Garg, Ramasuri Narayanam
10:15 – 12:00	203CD	Machine Learning 11 Session Chair: Qiang Yang	YAG02: A Spatially and Temporally Enhanced Knowledge Base from Wikipedia: Extended Abstract	Johannes Hoffart, Fabian M. Suchanek, Klaus Berberich, Gerhard Weikum
			Nonconvex Relaxation Approaches to Robust Matrix Recovery	Shusen Wang, Dehua Liu, Zhihua Zhang
			Learning Qualitative Models from Numerical Data: Extended abstract	Jure Zabkar, Martin Mozina, Ivan Bratko, Janez Demšar
10:15 – 12:00	201AB	Knowledge Representation, Reasoning and Logic 10 Session Chair: Maurice Pagnucco	Supervised Hypothesis Discovery Using Syllogistic Patterns in the Biomedical Literature	Kazuhiro Seki, Kuniaki Uehara
			An Epistemic Halpern-Shoham Logic	Alessio Lomuscio, Jakub Michaliszyn
			Parameterized Complexity of Optimal Planning: A Detailed Map	Martin Kronegger, Andreas Pfandler, Reinhard Pichler
			Knowledge Compilation for Model Counting: Affine Decision Trees	Frédéric Koriche, Jean-Marie Lagniez, Pierre Marquis, Samuel Thomas
10:15 – 12:00		Posters	Poster session 9*	AA.VV.
12:00 – 13:30 Lunch				
13:30 – 15:00	HALL #2	Panel Moderator: Stuart Russell	The Future of AI: What if We Succeed?	
15:10 – 16:00	HALL #2	Invited talk Chair: Carles Sierra Supported by SINELNET	Logics for multi-agent systems: a critical overview	Andreas Herzig
16:00 – 16:50	HALL #2	Invited talk Chair: Fei-Yue Wang	R-calculus: A Logical Framework for Scientific Discovery	Wei Li
16:50 – 18:00	HALL #2	Closing event Chair: Francesca Rossi	Award ceremony (Angry Birds, Robots, best presentation, best poster), IJCAI 2015 presentation, food and drinks	

*Titles and names of all poster authors can be found from page 46 to 60

POSTER SESSIONS

TUESDAY, AUG 6TH

Timetable	Session	Title	Author/ Authors
Poster session 1 – TUESDAY, AUG 6TH			
13:30 – 15:15	Constraints, Satisfiability, and Search	Heuristic Subset Selection	Chris Rayner, Nathan Sturtevant, Michael Bowling
		Predicting the Size of Depth-First Branch and Bound Search Tree	Levi Leles, Lars Otten, Rina Dechter
		Breakout local search for the vertex separator problem	Benlic Una, Jin-Kao Hao
		A Unified Approximate Nearest Neighbor Search Scheme by Combining Data Structure and Hashing	Debing Zhang, Genmao Yang, Yao Hu, Deng Cai, Xiaofei He
		Improved Bin Completion for Optimal Bin Packing and Number Partitioning	Ethan Schreiber, Richard Korf
	Agent-based and Multi-agent Systems	Monte-Carlo Expectation Maximization for Decentralized POMDPs	Feng Wu, Shlomo Zilberstein
		Using Double-oracle Method and Serialized Alpha-Beta Search for Pruning in Simultaneous Moves Games	Branislav Bosansky, Jiri Cermak, Viliam Lisý, Roman Vitek, Michal Pechoucek
		Bargaining for Revenue Shares on Tree Trading Networks	Arpita Ghosh, Satyen Kale, Kevin Lang, Benjamin Moseley
		On the Variance of the Shapley value in Weighted Voting Games	Yair Zick
		Multi-dimensional Single-peaked Consistency and its Approximations	Xin Sui, Alex Francois-Nienaber, Craig Boutilier
		Undecidability of epistemic multi-agent planning	Guillaume Aucher, Thomas Bolander
		Intention-Aware Routing to Minimise Delays at Electric Vehicle Charging Stations	Mathijs de Weerd, Enrico Gerding, Sebastian Stein, Valentin Robu, Nick Jennings
	Machine Learning	What Users Care about: a Framework for Social Content Alignment	Lei Hou, Juanzi Li, Xiaoli Li, Jiangfeng Qu, Xiaofei Guo, Ou Hui, Jie Tang
		Improving Traffic Prediction with Tweet Semantics	Jingrui He
		Smart Hashing Update for Fast Response	Qiang Yang, Longkai Huang, Wei-Shi Zheng, Ling Yingbiao
		Robust Multiple Task Regression via Reweighted Least Square	Jian Pu, Yugang Jiang, Jun Wang, Xiangyang Xue
		One-Class Conditional Random Fields for Sequential Anomaly Detection	Yale Song, Zhen Wen, Ching-Yung Lin, Randall Davis
		Learning Finite Beta-Liouville Mixture Models via Variational Bayes for Proportional Data Clustering	Wentao Fan, Nizar Bouguila
		Learning Descriptive Visual Representation by Semantic Regularized Matrix Factorization	Zhiwu Lu, Yuxin Peng
		Change-Point Detection with Feature Selection in High-Dimensional Time-Series Data	Makoto Yamada, Akisato Kimura, Futoshi Naya, Hiroshi Sawada
		Linear Bayesian Reinforcement Learning	Nikolaos Tziortziotis, Christos Dimitrakakis, Konstantinos D. Blekas
		Path Integral Control by Reproducing Kernel Hilbert Space Embedding	Konrad Rawlik, Marc Toussaint, Sethu Vijayakumar
	Online Expectation Maximization for Reinforcement Learning in POMDPs	Miao Liu, Xuejun Liao, Lawrence Carin	
	Knowledge Representation, Reasoning and Logic	Positive Subsumption in Fuzzy EL with General t-norms	Stefan Borgwardt, Rafael Peñaloza
		Ontology-Based Data Access with Closed Predicates is Inherently Intractable (Sometimes)	Carsten Lutz, Inanc Seylan, Frank Wolter
		Tractable Approximations of Consistent Query Answering for Robust Ontology-based Data Access	Meghyn Bienvenu, Riccardo Rosati
		Linear Temporal Logic and Linear Dynamic Logic on Finite Traces	Giuseppe De Giacomo, Moshe Vardi

TUESDAY, AUG 6TH

POSTER SESSIONS

Poster session 1 – TUESDAY, AUG 6TH			
13:30 – 15:15	Knowledge Representation, Reasoning and Logic	The Markov Assumption: Formalization and Impact	Alexander Bochman
		StarVars-Effective Reasoning about Relative Direction Information	Jae Hee Lee, Jochen Renz, Diedrich Wolter
		Knowing That, Knowing What, and Public Communication: Public Announcement Logic with Kv Operators	Yanjing Wang, Jie Fan
		Verifiable Equilibria in Boolean Games	Thomas Ågotnes, Paul Harrenstein, Wiebe van der Hoek, Michael Wooldridge
		Reasoning about Continuous Uncertainty in the Situation Calculus	Vaishak Belle, Hector Levesque
Learning from Polyhedral Sets	Salvatore Ruggieri		
Poster session 1 – TUESDAY, AUG 6TH			
15:45 – 17:30	Uncertainty in AI	Map Matching with Multiple Route Metrics	Takayuki Osogami, Rudy Raymond
		Probabilistic Reasoning with Undefined Properties in Ontologically-Grounded Belief Networks	Chia-Li Kuo, David Buchman, Arzoo Katiyar, David Poole
		The Inclusion-Exclusion Rule and its Application to the Junction Tree Algorithm	David Smith, Vibhav Gogate
		An Exact Algorithm for Computing the Same-Decision Probability	Suming Chen, Arthur Choi, Adnan Darwiche
		Probabilistic Constraint Logic Programming	Steffen Michels, Arjen Hommersom, Peter Lucas, Marina Velikova, Pieter Koopman
		Probabilistic Matrix Factorization with Sparse Covariance Prior for Collaborative Filtering	Jianping Shi, Naiyan Wang, Yang Xia, Dit-Yan Yeung, Irwin King, Jiaya Jia
	Web and Knowledge-based Information Systems	A Novel Bayesian Similarity Measure for Recommender Systems	Guibing Guo, Jie Zhang, Neil Yorke-Smith
		Boosting Cross-lingual Knowledge Linking via Concept Annotation	Wang Zhichun, Juanzi Li, Jie Tang
		Relation Regularized Collaborative Topic Regression for Tag Recommendation	Hao Wang, Binyi Chen, Wu-Jun Li
		Group Preference based Bayesian Personalized Ranking for One-Class Collaborative Filtering	Weike Pan, Li Chen
		Social Collaborative Filtering by Trust	Bo Yang, Yu Lei, Dayou Liu, Jiming Liu
		Promoting Diversity in Recommendation by Entropy Regularizer	Lijing Qin, Xiaoyan Zhu
		Cross-Domain Collaborative Filtering via Bilinear Multilevel Analysis	Liang Hu, Jian Cao, Guandong Xu, Jie Wang, Zhiping Gu
		Multi-View K-Means Clustering for Heterogeneous Data Integration	Xiao Cai, Feiping Nie, Heng Huang
		Agent-based and Multi-agent Systems	Are there any nicely structured preference profiles nearby?
	How to Persuade a Group to Change its Collective Decision?		Noam Hazon, Raz Lin, Sarit Kraus
	Proportional Representation Under Preferences That Are Single-peaked on a Tree		Lan Yu, Hau Chan, Edith Elkind
	Kemeny Elections with Bounded Single-peaked or Single-crossing Width		Denis Cornaz, Lucie Galand, Olivier Spanjaard
	Control Complexity of Schulze Voting		Curtis Menton, Preetjot Singh
	Bimodal Switching for Online Planning in Multiagent Settings		Ekhlal Sonu, Prashant Doshi
	AI and Computational Sustainability Special Track	Forecast Oriented Classification of Spatio-Temporal Extreme Events	Zhengzhang Chen, Ankit Agrawal, Alok Choudhary, Wei-Keng Liao
		Towards Effective Prioritizing Water Pipe Replacement and Rehabilitation	Junchi Yan, Yu Wang, Ke Zhou, Jin Huang, Tian Chunhua, Hongyuan Zha, Weishan Dong
		Detecting and Tracking Disease Outbreaks in Real-time through Social Media	Yusheng Xie

POSTER SESSIONS

TUESDAY, AUG 6TH

Poster session 2 – TUESDAY, AUG 6TH			
15:45 – 17:30	AI and Computational Sustainability Special Track	A global constrained optimization method for designing road networks with small diameters	Teng Ma, Yuexian Hou, Xiaozhao Zhao
		Short-term Wind Power Forecasting using Gaussian Processes	Niya Chen, Zheng Qian, Ian Nabney, Xiaofeng Meng
		Accurate Estimates of Reference Evapotranspiration for Irrigation Management in the Texas High Plain	Daniel Holman, Mohan Sridharan, Prasanna Gowda, Dana Porter, Thomas Marek, Terry Howell, Jerry Moorhead
		A Hidden Markov Model-Based Cicada Detector for Crowdsourced Smartphone Biodiversity Monitoring	Davide Zilli, Oliver Parson, Geoff V Merrett, Alex Rogers
		Parameter Learning for Latent Network Diffusion	Xiaojuan Wu, Akshat Kumar, Daniel Sheldon, Shlomo Zilberstein
		Optimal Pricing for Improving Efficiency of Taxi Systems	Jiarui Gan, Bo An, Haizhong Wang, Xiaoming Sun, Zhongzhi Shi
		Planning with MIP for Supply Restoration in Power Distribution Systems	Sylvie Thiebaux, Carleton Coffrin, Hassan Hijazi, John Stanley
		Machine Learning	Early Active Learning via Robust Representation and Structured Sparsity
	Hierarchical Bayesian Matrix Factorization with Side Information		Sunho Park, Yong-Deok Kim, Seungjin Choi
	Non-negative Multiple Matrix Factorization		Koh Takeuchi, Katsuhiko Ishiguro, Akisato Kimura, Hiroshi Sawada
	Online Hashing		Longkai Huang, Qiang Yang, Wei-Shi Zheng
	Regularized Latent Least Square Regression for Cross Pose Face Recognition		Xinyuan Cai, Chunheng Wang, Baihua Xiao
	Causal Inference with Rare Events in Large-Scale Time-Series Data		Kleinberg Samantha
	A General Framework for Interacting Bayes-Optimally with Self-Interested Agents using Any Models and		Trong Nghia Hoang, Bryan Kian Hsiang Low
	Robust Unsupervised Feature Selection		Mingjie Qian, Chengxiang Zhai
	Prior-Free Exploration Bonus for and beyond near Bayes-Optimal Behavior		Kenji Kawaguchi, Hiroshi Sato
	Basic Level in Formal Concept Analysis: Interesting Concepts and Psychological Ramifications		Radim Belohlavek, Martin Trnecka
	Towards Understanding Global Spread of Disease from Everyday Interpersonal Interactions		Sean Brennan, Adam Sadilek, Henry Kautz
	Towards Robust Co-Clustering		Liang Du, Yidong Shen
	Active Learning based on Local Representation		Yao Hu, Debing Zhang
	Knowledge Representation, Reasoning and Logic		Iterated Boolean Games
		Transition Constraints: A Study on the Computational Complexity of Qualitative Change	Matthias Westphal, Julien Hué, Stefan Wölfl, Bernhard Nebel
		Combining RCC5 relations with betweenness information	Steven Schockaert, Sanjiang Li
		Behavioral Diagnosis of LTL Specifications at Operator Level	Ingo Pill, Thomas Quaritsch
		Abstract Dialectical Frameworks Revisited	Gerhard Brewka, Stefan Ellmauthaler, Hannes Strass, Johannes Wallner, Stefan Woltran
		Extending Stable Models to the Full Propositional Language with Justifications	Tasharrofi Shahab
		First-Order Expressibility and Boundedness of Disjunctive Logic Programs	Heng Zhang, Yan Zhang
		On the Supremal Realizability of Behaviors with Uncontrollable Exogenous Events	Nitin Yadav, Giuseppe De Giacomo, Paolo Felli, Sebastian Sardina
	Robotics and Vision	Towards active event recognition	Dimitri Ognibene, Yiannis Demiris
		Upper Confidence Weighted Learning for Efficient Exploration in Multiclass Prediction with Binary Feedback	Hung Ngo, Matthew Luciw, Ngo Anh Vien, Juergen Schmidhuber

TUESDAY, AUG 6TH/ WEDNESDAY, AUG 7TH

POSTER SESSIONS

Poster session 2 – TUESDAY, AUG 6TH			
15:45 – 17:30	Robotics and Vision	Accelerated Robust Point Cloud Registration in Natural Environments through Positive and Unlabeled Learning	Maxime Latulippe, Alexandre Drouin, Philippe Giguère, François Laviolette
		Rolling Dispersion for Robot Teams	Elizabeth Jensen, Maria Gini
		Handling Open Knowledge for Service Robots	Xiao-Ping Chen, Jian-Min Jin, Zhi-Qiang Sui, Jiong-Kun Xie
		Learning Visual Symbols for Parsing Human Pose in Images	Fang Wang, Yi Li
		Histogram of Oriented Displacements (HOD): Describing Trajectories of Human Joints for Action Recognition	Mohammad Gowayyed, Marwan Torki, Mohamed Hussein, Motaz El-Saban
		Hierarchical Object Discovery and Dense Modelling From Motion Cues in RGB-D Video	Jörg Stückler, Sven Behnke
Poster session 3 – WEDNESDAY, AUG 7TH			
08:30 – 09:45	Constraints, Satisfiability, and Search	Towards rational deployment of multiple heuristics in A*	Solomon Shimony, Erez Karpas, Ariel Felner, David Tolpin, Tal Beja
		Monte Carlo*-Minimax Search	Marc Lanctot, Abdallah Saffidine, Joel Veness, Chris Archibald, Mark Winands
		Forward Perimeter Search with Controlled Use of Memory	Thorsten Schuett, Robert Doebbelin, Alexander Reinefeld
		Comprehensive Score: Towards Efficient Local Search for SAT with Long Clauses	Shaowei Cai, Kaile Su
		Sufficiency-Based Selection Strategy for MCTS	Stefan Gudmundsson, Yngvi Björnsson
		Taxi and Car sharing Online: A Framework and Heuristics for the Optimization Problem	Douglas Santos, Eduardo Xavier
		Agent-based and Multi-agent Systems	Scaling Up Joint Activity Based Security Games
	A Social Welfare Optimal Sequential Allocation Procedure		Thomas Kalinowski, Nina Narodytska, Toby Walsh
	Control in the Presence of Manipulators: Cooperative and Competitive Cases		Zack Fitzsimmons, Edith Hemaspaandra, Lane Hemaspaandra
	Externalities in Cake Cutting		Simina Branzei, Ariel Procaccia, Jie Zhang
	An Ambiguity Aversion Framework of Security Game under Ambiguities		Wenjun Ma, Xudong Luo, Weiru Liu
	A Proof-Theoretical View of Collective Rationality		Daniele Porello
	Planning and Scheduling	Adaptive management of migratory birds under sea level rise	Sam Nicol, Takuya Iwamura, Olivier Buffet, Iadine Chades
		Refining Incomplete Planning Domain Models Through Plan Traces	Hankz Hankui Zhuo, Rao Kambhampati, Tuan Nguyen
		Optimal Delete-Relaxed (and Semi-Relaxed) Planning with Conditional Effects	Patrik Haslum
		Bridging the Gap Between Refinement and Heuristics in Abstraction	Christer Bäckström, Peter Jonsson
		Controlling the Hypothesis Space in Probabilistic Plan Recognition	Frodoald Kabanza, Julien Filion, Abder Rezak Benaskeur, Hengameh Irandoust
		The GoDel Planning System: A more perfect union of Domain-Independent and Hierarchical Planning	Vikas Shivashankar, Ron Alford, Ugur Kuter, Dana Nau
		Flexible Execution of Partial Order Plans With Temporal Constraints	Christian Muise, J. Christopher Beck, Sheila McIlraith
	Fault-Tolerant Planning under Uncertainty	Luis Pineda, Yi Lu, Shlomo Zilberstein, Claudia Goldman	

Poster session 3 – WEDNESDAY, AUG 7TH			
08:30 – 09:45	Machine Learning	Robust Tensor Clustering with Non-Greedy Maximization	Xiaochun Cao, Xingxing Wei, Yahong Han
		Bayesian Nonparametric Feature Construction for Inverse Reinforcement Learning	Jaedeug Choi, Kee-Eung Kim
		Semi-Supervised Learning with Manifold Fitted Graphs	Tongtao Zhang, Rongrong Ji, Wei Liu, Gang Hua
		Reduced Heteroscedasticity Linear Regression for Nystrom Approximation	Hao Yang, Jianxin Wu
		Learning High-Order Task Relationships in Multi-Task Learning	Yu Zhang, Dit-Yan Yeung
		Thinking of Images as What They Are: Compound Matrix Regression for Image Classification	Zhigang Ma, Yi Yang, Feiping Nie, Sebe Nicu
		Multi-view Maximum Entropy Discrimination	Shiliang Sun, Guoqing Chao
		Learning Domain Differences Automatically for Dependency Parsing Adaptation	Mo Yu, Yalong Bai
		Harmonious Hashing	Bin Xu, Jiajun Bu, Yue Lin, Chun Chen, Xiaofei He, Deng Cai
		An Empirical Investigation of Ceteris Paribus Learnability	Loizos Michael, Elena Papageorgiou
		Uniform Convergence, Stability and Learnability for Ranking Problems	Wei Gao, Zhi-Hua Zhou
		Generalized Relational Topic Models with Fast Sampling Algorithms	Ning Chen, Jun Zhu, Fei Xia, Bo Zhang
		Multi-dimensional Causal Discovery	Ulrich Schaechtle, Kostas Stathis, Stefano Bromuri
		Machine-Learning-Based Circuit Synthesis	Lior Rokach, Meir Kalech, Gregory Provan, Alexander Feldman
	Knowledge Representation, Reasoning and Logic	Definability of Horn Revision from Horn Contraction	Zhiqiang Zhuang, Maurice Pagnucco, Yan Zhang
		Computing Stable Models for Nonmonotonic Existential Rules	Despoina Magka, Markus Krötzsch, Ian Horrocks
		Data Repair of Inconsistent DL-programs	Thomas Eiter, Michael Fink, Daria Stepanova
		Automating Quantified Conditional Logics in HOL	Christoph Benz Müller
		Advanced Conflict-Driven Disjunctive Answer Set Solving	Martin Gebser, Benjamin Kaufmann, Torsten Schaub
		Decidability of Model Checking Non-Uniform Artifact-Centric Quantified Interpreted Systems	Francesco Belardinelli, Alessio Lomuscio
		Reasoning about State Constraints in the Situation Calculus	Naiqi Li, Yi Fan, Yongmei Liu
		Bounded Programs: A New Decidable Class of Logic Programs with Function Symbols	Sergio Greco, Cristian Molinaro, Irina Trubitsyna
	Natural-Language Processing	Partial-Tree Linearization for Text-to-Text Applications	Yue Zhang
		Joint Modeling of Argument Identification and Role Determination in Chinese Event Extraction	Peifeng Li, Guodong Zhou
		PPSGen: Learning to Generate Presentation Slides for Academic Papers	Yue Hu, Xiaojun Wan
		Improving Function Word Alignment with Frequency and Syntax	Jingyi Zhang, Hai Zhao
		Opinion Target Extraction Using Partial-Supervised Word Alignment Model	Kang Liu, Liheng Xu, Jun Zhao
		End-to-End Coreference Resolution for Clinical Narratives	Prateek Jindal, Dan Roth
		Integrating Semantic Relatedness and Words' Intrinsic Features for Keyword Extraction	Wei Zhang, Wei Feng, Jianyong Wang
		Integrating Syntactic and Semantic Analysis into the Open Information Extraction Paradigm	Andrea Moro, Roberto Navigli

Poster session 4 – WEDNESDAY, AUG 7TH			
10:15 – 12:00	Constraints, Satisfiability, and Search	Extending Simple Tabular Reduction with Short Supports	Christopher Jefferson, Peter Nightingale
		Target-Value Search Revisited	Carlos Linares López, Roni Stern, Ariel Felner
		Search Strategies for Optimal Multi-Way Number Partitioning	Michael Moffitt
		Constraint Satisfaction and Fair Multi-Objective Optimization Problems	Gianluigi Greco, Francesco Scarcello
		Semiring-Based Mini-Bucket Partition Heuristics	Emma Rollon, Rina Dechter
		Tractable Constrained Optimization Problems on Ordered Domains	T. K. Satish Kumar, Liron Cohen, Sven Koening
		Double-Wheel Graphs Are Graceful	Ronan Le Bras, Carla Gomes, Bart Selman
		Minimizing Writes in Parallel External Memory Search	Nathan Sturtevant, Matthew Rutherford
		Agent-based and Multi-agent Systems	Efficient Learning in Linearly Solvable MDP Models
	Analysis and Optimization of Multi-dimensional Percentile Mechanisms		Xin Sui, Craig Boutilier, Tuomas Sandholm
	Fully Proportional Representation as Resource Allocation: Approximability Results		Piotr Skowron, Piotr Faliszewski, Arkadii Slinko
	Agent Failures in All-Pay Auctions		Yoad Lewenberg, Omer Lev, Yoram Bachrach, Jeffrey Rosenschein
	Optimal Airline Ticket Purchasing Using Automated User-Guided Feature Selection		William Groves, Maria Gini
	Maximal Recursive Rule: A New Social Decision Scheme		Haris Aziz
	Planning and Scheduling		Pareto-Based Multi-Objective AI Planning
		Tractable Upper Bounds on Lengths of Transition Sequences	Jussi Rintanen, Charles Gretton
		Revisiting Regression in Planning	Vidal Alcázar Saiz, Daniel Borrajo, Susana Fernández, Raquel Fuentetaja Pizán
		Run-Time Improvement of Point-Based POMDP Policies	Minlue Wang, Richard Dearden
		Action-Model Acquisition from Noisy Plan Traces	Hankz Hankui Zhuo, Rao Kambhampati
		Plan Quality Optimisation via Block Decomposition	Fazlul Siddiqui, Patrik Haslum
		Machine Learning	Co-Regularized Ensemble for Feature Selection
	Guarantees of Augmented Trace Norm Models in Tensor Recovery		Ziqiang Shi, Jiqing Han, Tieran Zheng, Ji Li
	Improve Coding with Bilevel VisualWords for Image Classification		Jiemi Zhang, Chenxia Wu, Deng Cai
	Human Action Recognition Using a Temporal Hierarchy of Covariance Descriptors on 3D Joint Locations		Mohamed Hussein, Marwan Torki, Mohammad Gowayyed, Motaz El-Saban
	An ensemble of Bayesian networks for multilabel classification		Alessandro Antonucci, Giorgio Corani, Denis Maua, Sandra Gabaglio
	Annealed Importance Sampling for Structure Learning in Bayesian Networks		Teppo Niinimäki, Mikko Koivisto
	Measuring Statistical Dependence via the Mutual Information Dimension		Mahito Sugiyama, Karsten Borgwardt
	Weighted paths as condensed pattern in a single attributed DAG		Jérémy Sanhes, Frédéric Flouvat, Claude Pasquier, Nazha Selmaoui-Folcher, Jean-François Boulicaut
	A Theoretic Framework of K-means-based Consensus Clustering		Junjie Wu, Hongfu Liu, Hui Xiong

Poster session 4 – WEDNESDAY, AUG 7TH				
10:15 – 12:00	Machine Learning	Multi-modal Distance Learning	Xie Pengtao	
		Tag-Weighted Topic Model for Mining Documents with Labels	Shuangyin Li	
		Protein Function Prediction using Multiple Kernels	Guoxian Yu, Huzefa Rangwala, Carlotta Domeniconi, Guoji Zhang, Zili Zhang	
	Knowledge Representation, Reasoning and Logic	Temporal Description Logic for Ontology-Based Data Access	Alessandro Artale, Roman Kontchakov, Frank Wolter, Michael Zakharyashev	
		Backdoors to Abduction	Andreas Pfandler, Stefan Rümmele, Stefan Szeider	
		On the Complexity of Probabilistic Abstract Argumentation	Bettina Fazzinga, Sergio Flesca, Francesco Parisi	
		The Impact of Disjunction on Query Answering Under Guarded-based Existential Rules	Pierre Bourhis, Michael Morak, Andreas Pieris	
		Towards a Knowledge Compilation Map for Heterogeneous Representation Languages	Hélène Fargier, Pierre Marquis, Alexandre Niveau	
		Forgetting for Answer Set Programs Revisited	Yisong Wang, Kewen Wang	
		Do Hard SAT-Related Reasoning Tasks Become Easier in the Krom Fragment?	Nadia Creignou, Reinhard Pichler, Stefan Woltran	
		Automated reasoning to infer all minimal keys	Pablo Cordero, Manuel Enciso, Angel Mora	
		The Route to Success – A Performance Comparison of Diagnosis Algorithms	Iulia Nica, Ingo Pill, Thomas Quaritsch, Franz Wotawa	
		Natural-Language Processing	Efficient Latent Variables Perceptron for Semantic Parsing	Junsheng Zhou, Juhong Xu, Weiguang Qu
			A Text Scanning Mechanism Simulating Text Reading Process of Human	Bei Xu, Hai Zhuge
			Improving Question Retrieval in Community Question Answering Using World Knowledge	Zhou Guangyou, Kang Liu, Jun Zhao
	Mining for Analogous Tuples from an Entity-Relation Graph		Danushka Bollegala, Mitsuru Kushimoto, Yuichi Yoshida, Ken-ichi Kawarabayashi	
	Combine Constituent and Dependency Parsing via Reranking		Xiaona Ren	
	i, Poet: Chinese Poetry Composition through a Summarization Framework under Constrained Optimization		Rui Yan, Han Jiang, Mirella Lapata, Shou-De Lin, Xiaoming Li	
	Smoothing for Bracketing Induction		Duan Xiangyu	
	Fast Linearization of Tree Kernels over Large-Scale Data		Aliaksei Severyn, Alessandro Moschitti	
	Active Learning for Cross-domain Sentiment Classification	Shoushan Li, Yunxia Xue, Zhongqing Wang, Guodong Zhou		

Poster session 5 – WEDNESDAY, AUG 7TH			
15:45 – 17:30	Machine Learning	Learning Community-based Preferences via Dirichlet Process Mixtures of Gaussian Processes	Ehsan Abbasnejad, Scott Sanner, Edwin V. Bonilla, Pascal Poupart
		Self-Organized Neural Learning of Statistical Inference from High-Dimensional Data	Johannes Bauer, Stefan Wermter
		MiningZinc: A Language for Constraint-based Mining	Tias Guns, Anton Dries, Guido Tack, Siegfried Nijsen, Luc De Raedt
		Meta-interpretive Learning of Higher-Order Datalog: Predicate Invention revisited	Stephen Muggleton, Dianhuan Lin
		Topic Extraction from Online Reviews for Classification and Recommendation	Ruihai Dong, Markus Schaal, Michael O'Mahony, Barry Smyth
		A Scalable Approach to Column-Based Low-Rank Matrix Approximation	Yifan Pi, Haoruo Peng, Shuchang Zhou, Zhihua Zhang
		Learning Discriminative Representations from RGB-D Video Data	Li Liu, Ling Shao

Poster session 5 – WEDNESDAY, AUG 7TH			
15:45 – 17:30	Machine Learning	Statistical tests for the detection of the arrow of time in vector autoregressive models	Pablo Morales-Mombiola, Daniel Hernández-Lobato, Alberto Suarez
		Active Learning for Teaching a Robot Grounded Relational Symbols	Johannes Kulick, Marc Toussaint, Tobias Lang, Manuel Lopes
		Active Learning for Level Set Estimation	Alkis Gotovos, Nathalie Casati, Gregory Hitz, Andreas Krause
		Bayesian Optimization in High Dimensions via Random Embeddings	Ziyu Wang, Masrour Zoghi, Frank Hutter, David Matheson, Nando de Freitas
		Bootstrap learning via modular concept discovery	Dechter Eyal, Jon Malmud, Ryan P. Adams, Joshua B. Tenenbaum
		A KNN Based Kalman Filter Gaussian Process Regression	Yali Wang, Brahim Chaib-draa
		Large Scale Online Kernel Classification	Jialei Wang, Steven Hoi, Peilin Zhao
		Active Learning with Multi-label SVM Classification	Xin Li, Yuhong Guo
		Adaptive Loss Minimization for Semi-Supervised Elastic Embedding	Feiping Nie, Hua Wang, Heng Huang, Chris Ding
		Agent-based and Multi-agent Systems	Action Translation in Extensive-Form Games with Large Action Spaces: Axioms, Paradoxes, and the Pseudo-Harmonic Mapping
	Game-Theoretic Problem Selection for Tests		Li Yuqian, Vincent Conitzer
	Sequential Equilibrium in Computational Games		Joseph Halpern, Rafael Pass
	A Reputation Management Model for Resource Constrained Trustee Agents		Han Yu, Miao Chunyan, Bo An
	Evolution of Common-Pool Resources and Social Welfare in Structured Populations		Jean-Sébastien Lerat, The Anh Han, Tom Lenaerts
	C-Link: a hierarchical clustering approach to coalition formation		Manuele Bicego, Alessandro Farinelli, Sarvapali Ramchurn, Mauro Zucchelli
	Knowledge Representation, Reasoning and Logic	Multi-winner Social Choice with Incomplete Preferences	Tyler Lu, Craig Boutilier
		First Order-Rewritability of Atomic Queries in Horn Description Logics	Meghyn Bienvenu, Carsten Lutz, Frank Wolter
		Preference-based Query Answering in Datalog+/- Ontologies	Thomas Lukasiewicz, Maria Vanina Martinez, Gerardo Simari
		An alternative axiomatization of DEL and its applications	Yanjing Wang, Guillaume Aucher
		A Formal Account of Nondeterministic and Failed Actions	James Delgrande, Hector Levesque
		Interpolative reasoning with default rules	Steven Schockaert, Henri Prade
		Compact Rewritings for Existential Rules	Michaël Thomazo
		Natural-Language Processing	Learning Topical Translation Model for Microblog Hashtag Suggestion
	Cross Lingual Entity Linking with Bilingual Topic Model		Tao Zhang, Kang Liu, Jun Zhao
	Leveraging Multi-Domain Prior Knowledge in Topic Models		Zhiyuan Chen, Arjun Mukherjee, Bing Liu, Meichun Hsu, Malu Castellanos, Riddhiman Ghosh
	A Clause-level Hybrid Approach to Chinese Empty Element Recovery		Fang Kong, Guodong Zhou
	Instance Selection and Instance Weighting for Cross-domain Sentiment Classification via PU Learning		Rui Xia, Xuelei Hu, Jianfeng Lu, Jian Yang, Chengqing Zong
	Answer Extraction from Passage Graph for Factoid Question Answering		Hong Sun, Nan Duan, Yajuan Duan, Ming Zhou
	Best Papers and Journal Track Posters		

Poster session 6 – THURSDAY, AUG 8TH			
13:30 – 15:15	Multidisciplinary Topics And Applications	Automated Grading of DFA constructions	Rajeev Alur, Loris D'Antoni, Sumit Gulwani, Dileep Kini, Mahesh Viswanathan
		Robust Median Reversion Strategy for On-Line Portfolio Selection	Dingjiang Huang, Junlong Zhou, Bin Li, Steven Hoi, Shuigeng Zhou
		Automatically Generating Problems and Solutions for Natural Deduction	Umair Ahmed, Sumit Gulwani, Amey Karkare
		TutorialPlan: Automated Tutorial Generation from CAD Drawings	Wei Li, Yuanlin Zhang, George Fitzmaurice
		Personalized Diagnosis for Over-Constrained Problems	Alexander Felfernig, Monika Schubert, Stefan Reiterer
		Deep Sparse Coding based Recursive Disaggregation Model for Water Conservation	Haili Dong, Bingsheng Wang
		A Brain-Computer Interface to a Plan-based Narrative	Stephen Gilroy, Julie Porteous, Fred Charles, Marc Cavazza, Gal Raz, Ilana Klovatch, Limor Ikar, Eyal Soreq, Udi Ben-Arie, Talma Hendler
		Employing Batch Reinforcement Learning to Control Gene Regulation Without Explicitly Constructing Gene Regulatory Networks	Utku Sirin, Faruk Polat, Reda Alhajj
		Just-In-Time Compilation of Knowledge Bases	Laurent Simon, Gilles Audemard, Jean-Marie Lagniez
	Maintaining alternative values in constraint-based configuration	Caroline Becker, H�el�ene Fargier	
	DeQED: an Efficient Divide-and-coordinate Algorithm for DCOP	Daisuke Hatano, Katsutoshi Hirayama	
	On the Complexity of Trick Taking Card Games	�douard Bonnet, Florian Jamain, Abdallah Saffidine	
	Selecting Algorithms by Hierarchical Clustering	Yuri Malitsky, Ashish Sabharwal, Horst Samulowitz, Meinolf Sellmann	
	Variable Elimination in Binary CSP via Forbidden Patterns	David A. Cohen, Martin Cooper, Guillaume Escamocher, Standa Zivny	
	On the complexity of global scheduling constraints under structural restrictions	Geoffrey Chu, Serge Gaspers, Nina Narodytska, Andreas Schutt, Toby Walsh	
	Detecting and Exploiting Subproblem Tractability	Christian Bessiere, Clement Carbonnel, Emmanuel Hebrard, George Katsirelos, Toby Walsh	
	Constraints, Satisfiability, and Search	Why so hard to say sorry: evolution of apology with commitment in the iterated Prisoner's Dilemma	The Anh Han, Luis Pereira, Francisco C. Santos, Tom Lenaerts
		Endogenous Boolean Games	Paolo Turrini
		Coalitional Games via Network Flows	Talal Rahwan, Tri-Dung Nguyen, Tomasz Michalak, Maria Polukarov, Madalina Croitoru, Michael Wooldridge, Nick Jennings
		Macau: A Basis for Evaluating Reputation Systems	Chris Hazard, Munindar Singh
		Multi-agent Team Formation – Diversity Beats Strength?	Leandro Soriano Marcolino, Albert Xin Jiang, Milind Tambe
		Opponent Models with Uncertainty for Strategic Argumentation	Tjitze Rienstra, Matthias Thimm, Nir Oren
		Opponent Modelling in Persuasion Dialogues	Christos Hadjikinolis, Sanjay Modgil, Elizabeth Black, Peter McBurney, Yiannis Siantos
		Using Conditional Restricted Boltzmann Machine for Highly Competitive Negotiation tasks	Siqi Chen, Haitham Bou Ammar, Karl Tuyls, Gerhard Weiss
		Agent-based and Multi-agent Systems	Why so hard to say sorry: evolution of apology with commitment in the iterated Prisoner's Dilemma
	Endogenous Boolean Games		Paolo Turrini
	Coalitional Games via Network Flows		Talal Rahwan, Tri-Dung Nguyen, Tomasz Michalak, Maria Polukarov, Madalina Croitoru, Michael Wooldridge, Nick Jennings
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Poster session 6 – THURSDAY, AUG 8TH			
13:30 – 15:15	Planning and Scheduling	Maximizing Flexibility in Simple Temporal Networks	Bob Huisman, Tomas Klos, Michel Wilson, Cees Witteveen
		Towards a second generation random walk planner: an experimental exploration	Hootan Nakhost, Martin M�uller
		A Monte-Carlo Approach for the Adaptive Control of Crowdsourcing	Ece Kamar, Ashish Kapoor, Eric Horvitz
		Isomorph-free branch and bound search for finite state controllers	Marek Grzes, Pascal Poupart, Jesse Hoey
		Exploring Knowledge Engineering Strategies in Designing & Modelling Road Traffic Accident Management	Mohammad Shah, Lukas Chrp�a, Diane Kitchin, Thomas Leo McCluskey, Mauro Vallati
		Towards Practical Planning to Predict and Exploit Intentions for Interacting with Self-Interested Ag	Trong Nghia Hoang, Bryan Kian Hsiang Low
		Symbolic Merge-and-Shrink for Cost-Optimal Planning	�lvaro Torralba, Carlos Linares L�opez, Daniel Borrajo
		Causal Belief Decomposition for Planning with Sensing: Completeness and Practical Approximation	Blai Bonet, Hector Geffner
		Machine Learning	Graph Classification with Imbalanced Class Distributions and Noise
	A Bayesian Factorised Covariance Model for Image Analysis		Li Jun
	Central Clustering of Categorical Data with Automated Feature Weighting		Lifei Chen, Shengrui Wang
	Learning Optimal Cepstral Features for Audio Classification		Zhouyu Fu, Guojun Lu, Kai Ming Ting, Dengsheng Zhang
	Large Scale Spectral Clustering on Graphs		Jialu Liu
	Multi-prototype Label Ranking with Novel Pairwise to Total Rank Aggregation		Grbovic Mihajlo, Nemanja Djuric, Slobodan Vucetic
	Manifold Alignment Based on Sparse Local Structures of More Corresponding Pairs		Xiaojie Li, Jian Cheng Lv, Zhang Yi
	Rank-k Feature Selection		Xiao Cai, Feiping Nie, Heng Huang
	Coupled Attribute Analysis on Numerical Data		Can Wang, Zhong She, Longbing Cao
	Knowledge Representation, Reasoning and Logic	Lazy Paired Hyper-Parameter Tuning	Alice Zheng, Mikhail Bilenko
		Unlearning from Demonstration	Keith Sullivan, Ahmed Molla, Bill Squires, Sean Luke
		Domain Adaptation with Topical Correspondence Learning	Zheng Chen, Weixiong Zhang
		Multi-Instance Multi-Label Learning with Weak Label	Shu-Jun Yang, Yuan Jiang, Zhi-Hua Zhou
		Persistent Homology: An Introduction and a Text Application	Xiaojin Zhu
		Granular Description of Qualitative Change	John Stell
		Efficient Algorithm for the Minimal Labeling Problem of Temporal and Spatial Qualitative Constraints	Nouhad Amaneddine, Jean-Fran�ois Condotta, Michael Sioutis
		A Strongly-Local Contextual Logic	Michael Gratton
		Syntactic Computation of Hybrid Possibilistic Conditioning under Uncertain Inputs	Salem Benferhat, Celia da Costa Pereira, Andrea Tettamanzi
	Agent-based and Multi-agent Systems	Conjunctive Regular Path Queries in Lightweight Description Logics	Meghyn Bienvenu, Magdalena Ortiz, Mantas Simkus
FQHT: the logic of stable models for logic programs with intensional functions		Luis Fari�nas del Cerro, David Pearce, Agustin Valverde	
Sequence of Mechanisms for Causal Reasoning in Artificial Intelligence		Dash Denver, Mark Voortman, Martijn de Jongh	
Answer Set Programming Modulo Theories and Reasoning about Continuous Changes		Joohyung Lee, Yunsong Meng	
A Cutoff Technique for the Verification of Parameterised IS with Parameterised Environments		Panagiotis Kouvaros, Alessio Lomuscio	

Poster session 7 – THURSDAY, AUG 8TH			
15:45 – 17:30	Machine Learning	Active Learning from Relative Queries	Buyue Qian, Xiang Wang, Fei Wang, Hongfei Li, Ian Davidson
		Discovering Different Types of Topics: Multi-dimensional Membership Topics Models	Yun Jiang, Ashutosh Saxena
		Better Generalization with Forecasts	Mark Ring, Tom Schaul
		Multi-Modal Image Annotation with Multi-Instance Multi-Label LDA	Cam-Tu Nguyen, De-Chuan Zhan, Zhi-Hua Zhou
		Euler Clustering	Jian-sheng Wu, Wei-Shi Zheng, Jian-huang Lai
		Adaptive thresholding in structure learning of a Bayesian network	Boaz Lerner, Michal Caspi, Rafi Bojmel
		Online Group Feature Selection	Jing Wang, Zhong-Qiu ZHAO, xuegang hu, peipei li
		Multi-view Discriminant Transfer Learning	Pei Yang, Wei Gao
		Shifted Subspaces Tracking on Sparse Outlier	Tianyi Zhou
		Dimensionality reduction with generalized linear model	Mo Chen, Wei LI
		Probabilistic Multi-label Classification with Sparse Feature Learning	Yuhong Guo
		Deep Feature Learning using Target Priors with Applications in ECoG Signal Decoding for BCI	Zuoguan Wang, Siwei Lyu, Qiang Ji
		Nonconvex Relaxation Approaches to Robust Matrix Recovery	Shusen Wang, Dehua Liu, Zhihua Zhang
		Supervised Hypothesis Discovery Using Syllogistic Patterns in the Biomedical Literature	Kazuhiro Seki, Kuniaki Uehara
	Constraints, Satisfiability, and Search	Improved Integer Programming Approaches for the Chance-Constrained Stochastic Programming	Hiroki Yanagisawa, Takayuki Osogami
		Preserving partial solutions while relaxing constraint networks	Jean-Marie Lagniez, Eric Grégoire, Bertrand Mazure
		Robust Constraint Satisfaction and Local Hidden Variables in Quantum Mechanics	Samson Abramsky, Georg Gottlob, Phokion Kolaitis
	Agent-based and Multi-agent Systems	An approach to abductive reasoning in equational logic	Mnacho Echenim, Nicolas Peltier, Sophie Tourret
		Efficient Vote Elicitation under Candidate Uncertainty	Joel Oren, Yuval Filmus, Craig Boutilier
		Audience-Based Uncertainty in Abstract Argument Games	Davide Grossi, Wiebe van der Hoek
		Scaling-up Security Games with Boundedly Rational Adversaries: A Cutting-plane Approach	Rong Yang, Albert Xin Jiang, Milind Tambe, Fernando Ordonez
		Audit Games	Jeremiah Blocki, Nicolas Christin, Anupam Datta, Ariel Procaccia, Arunesh Sinha
		The Dynamics of Reinforcement Social Learning in Cooperative Multiagent Systems	Jianye Hao, Ho-fung Leung
	Web and Knowledge-based Information Systems	Learning Optimal Auction Mechanism in Sponsored Search	Di He, Wei Chen, Liwei Wang, Tie-Yan Liu
		Online Ego-centric Models for Citation networks	Hao Wang, Wu-Jun Li
		Social Spammer Detection in Microblogging	Xia Hu, Jiliang Tang, Huan Liu, Zhang Yanchao
		Predicting Knowledge in An Ontology Stream	Freddy Lecue, Jeff Z. Pan
		Celebrity Recommendation with Collaborative Social Topic Regression	Xuetao Ding, Xiaoming Jin, Yujia Li, Lianghao Li
		Recommendation Using Textual Opinions	Claudiu Cristian Musat, Yizhong Liang, Boi Faltings
		A Unified Framework for Reputation Estimation in Online Rating Systems	Guang Ling, Irwin King, Michael R. Lyu
	Robust Rank-K Matrix Completion	Jin Huang, Feiping Nie, Heng Huang	

Poster session 7 – THURSDAY, AUG 8TH			
15:45 – 17:30	Web and Knowledge-based Information Systems	Listen to the Crowd: Automated analysis of Live Events via Aggregated Twitter Sentiment	Yuheng Hu
		Multiple Link Sign Prediction in Online Signed Social Networks	Priyanka Agrawal, Vikas K. Garg, Ramasuri Narayanam
	Knowledge Representation, Reasoning and Logic	An Epistemic Halpern-Shoham Logic	Alessio Lomuscio, Jakub Michaliszyn
		Parameterized Complexity of Optimal Planning: A Detailed Map	Martin Kronenberger, Andreas Pfandler, Reinhard Pichler
		Knowledge Compilation for Model Counting: Affine Decision Trees	Frédéric Koriche, Jean-Marie Lagniez, Pierre Marquis, Samuel Thomas
		Implicit learning of common sense for reasoning	Brendan Juba
		Nominal Schema Absorption	Andreas Steigmiller, Birte Glimm, Thorsten Liebig
		Cyclic Causal Models with Discrete Variables: Markov Chain Equilibrium Semantics and Sample Ordering	David Poole, Mark Crowley
		Functional Stable Model Semantics and Answer Set Programming Modulo Theories	Michael Bartholomew, Joohyung Lee
		Efficient Extraction and Representation of Spatial Information from Video Data	Jochen Renz, Hajar Sadeghi Sokeh
		Verification of Inconsistency-Tolerant Knowledge and Action Bases	Diego Calvanese, Evgeny Kharlamov, Marco Montali, Ario Santoso, Dmitriy Zheleznyakov
		On Condensing a Sequence of Updates in Answer-Set Programming	Martin Slota, Joao Leite

Poster session 8 – FRIDAY, AUG 9TH			
08:30 – 09:45	Multidisciplinary Topics And Applications	Probabilistic Equivalence Verification Approach for Automatic Mathematical Solution Assessment	Minh Luan Nguyen, Siu Cheung Hui, Alvis C.M. Fong
		Protein Function Prediction via Laplacian Network Partitioning Incorporating Function Category Correlations	Hua Wang, Heng Huang, Chris Ding
		Misleading Opinions Provided by Advisors: Dishonesty or Subjectivity	Hui Fang, Yang Bao, Jie Zhang
		How to predict human strategic decisions using facial expressions	Noam Peled, Moshe Bitan, Joseph Keshet, Sarit Kraus
	Constraints, Satisfiability, and Search	Breaking Symmetries in Graph Representation	Michael Codish, Alice Miller, Patrick Prosser, Peter Stuckey
		On Computing Minimal Correction Subsets	Joao Marques-Silva, Federico Heras, Mikolas Janota, Alessandro Previti, Anton Belov
		Dominance Rules for the Choquet Integral in Multiobjective Dynamic Programming	Lucie Galand, Julien Lesca, Patrice Perny
		Weight-Enhanced Diversification in Stochastic Local Search for Satisfiability	Thach-Thao Duong, Duc Nghia Pham, M.A.Hakim Newton, Abdul Sattar
		Constraint Acquisition via Partial Queries	Christian Bessiere, Remi Coletta, Emmanuel Hebrard, George Katsirelos, Nadjib Lazaar, Nina Narodytska, Claude-Guy Quimper, Toby Walsh
		A Tree-based Tabu Search for the Manpower Allocation Problem with Time Windows and Job-Teaming Const	Yilin Cai, Zizhen Zhang, Songshan Guo, Hu Qin, Andrew Lim
	Agent-based and Multi-agent Systems	Elicitation and Approximately Stable Matching with Partial Preferences	Joanna Drummond, Craig Boutilier
		An Efficient Vector-Based Representation for Coalitional Games	Long Tran-Thanh, Tri-Dung Nguyen, Talal Rahwan, Alex Rogers, Nick Jennings
		Defender (Mis)coordination in Security Games	Albert Xin Jiang, Ariel Procaccia, Yundi Qian, Nisarg Shah, Milind Tambe

POSTER SESSIONS

FRIDAY, AUG 9TH

Poster session 8 – FRIDAY, AUG 9TH				
08:30 – 09:45	Agent-based and Multi-agent Systems	Computational Analysis of Connectivity Games with Applications to Terrorist Networks	Tomasz Michalak, Talal Rahwan, Piotr Szczepanski, Oskar Skibski, Ramasuri Narayanam, Nick Jennings, Michael Wooldridge	
		AstonTAC: An Intelligent Agent for Energy Trading	Rodrigue Talla Kuate, Minghua He, Maria Chli, Hai Wang	
		A Framework to Choose Trust Models for Different E-Marketplace Environments	Athirai A. Irissappane, Siwei Jiang, Jie Zhang	
		Automated Generation of Interaction Graphs for Value-Factored Decentralized POMDPs	William Yeoh, Akshat Kumar, Shlomo Zilberstein	
	Planning and Scheduling	Fair LTL Synthesis for Non-Deterministic Systems using Strong Cyclic Planners	Fabio Patrizi, Nir Lipovetzky, Hector Geffner	
		Interactive Value Iteration for Markov Decision Processes with Unknown Rewards	Paul Weng, Bruno Zanuttini	
		Robust Optimization for Hybrid MDPs with State-dependent Noise	Zahra Zamani, Scott Sanner, Karina Valdivia Delgado, Leliane Barros	
		Getting the Most Out of Pattern Databases for Classical Planning	Florian Pommerening, Gabriele Röger, Malte Helmert	
		An Admissible Heuristic for SAS Planning Obtained from the State Equation	Blai Bonet	
		Continuously Relaxing Over-constrained Conditional Temporal Problems	Peng Yu, Brian Williams	
	Machine Learning	Efficient Kernel Learning from Side Information Using ADMM	En-Liang Hu, James Kwok	
		A Lossy Counting Based Approach for Learning on Streams of Graphs on a Budget	Giovanni Da San Martino, Nicolò Navarin, Alessandro Sperduti	
		Concept Learning for Cross-domain Text Classification: a General Probabilistic Framework	Fuzhen Zhuang, Ping Luo, Peifeng Yin, Qing He, Zhongzhi Shi	
		Online Community Detection for Very Large Complex Networks	Pan Gang, Wangsheng Zhang, Shijian Li	
		Low-Rank Coding with b-Matching Constraint for Semi-supervised Classification	Sheng Li, Yun Fu	
		Multi Class Learning with Individual Sparsity	Ben Zion Vatashsky, Koby Crammer	
		Adaptive error-correcting output codes	Guoqiang Zhong, Mohamed Cheriet	
		Learning Canonical Correlations of Paired Tensor Sets via Tensor-to-Vector Projection	Haiping Lu	
		Sparse Reconstruction for Weakly Supervised Semantic Segmentation	Ke Zhang, Zhang Wei, Zheng Yingbin, Xue Xiangyang	
		Manifold Alignment Preserving Global Geometry	Chang Wang, Sridhar Mahadevan	
		Knowledge Representation, Reasoning and Logic	Multi-agent Epistemic Explanatory Diagnosis via Reasoning about Actions	Quan Yu, Ximing Wen, Yongmei Liu
			Bounded Epistemic Situation Calculus Theories	Giuseppe De Giacomo, Yves Lespérance, Fabio Patrizi
			Multi-Agent Subset Space Logic	Yi Wang, Thomas Ågotnes
	Action Language BC: Preliminary Report		Joohyung Lee, Vladimir Lifschitz, Fangkai Yang	
	Decidable Reasoning in a Logic of Limited Belief with Introspection and Unknown Individuals		Gerhard Lakemeyer, Hector Levesque	
	Exchanging OWL 2 QL Knowledge Bases		Marcelo Arenas, Elena Botoeva, Diego Calvanese, Vladislav Ryzhikov	
	Semiring Labelled Decision Diagrams, Revisited: Canonicity and Spatial Efficiency Issues		Hélène Fargier, Pierre Marquis, Nicolas Schmidt	
	Natural-Language Processing		Fusion of Word and Letter Based Metrics for Automatic MT Evaluation	Muyun Yang, Junguo Zhu, Sheng Li, Tiejun Zhao
Crowdsourcing-supported Query Structure Interpretation		Jun Han		

FRIDAY, AUG 9TH

POSTER SESSIONS

Poster session 8 – FRIDAY, AUG 9TH			
08:30 – 09:45	Natural-Language Processing	Modeling Lexical Cohesion for Document-Level Machine Translation	Deyi Xiong, Guosheng Ben, Min Zhang, Yajuan Lv, Qun Liu
		Identifying Useful Human Feedback from an On-line Translation Service	Alberto Barrón-Cedeño, Lluís Màrquez, Carlos A. Henriquez O., Formiga Lluís
		Joint and Coupled Bilingual Topic Model Based Sentence Representations for Language Model Adaptation	Shixiang Lu, Xiaoyin Fu, Wei Wei, Bo Xu

Poster session 9 – FRIDAY, AUG 9TH			
10:15 – 12:00	Uncertainty in AI	A Consensual Linear Opinion Pool	Arthur Carvalho, Kate Larson
		A Generalization of SAT and #SAT for Policy Evaluation	Erik Zawadzki, Andre Platzer, Geoffery Gordon
		Value of Information with Streaming Evidence	Stephanie Rosenthal, Dan Bohus, Ece Kamar, Eric Horvitz
		Utilizing Workers' Self-reported Confidence to Integrate Multiple Crowdsourced Labels	Satoshi Oyama, Yukino Baba, Yuko Sakurai, Hisashi Kashima
		Risk Estimates for Bandit Problems	Jia Yuan Yu, Evdokia Nikolova
	Web and Knowledge-based Information Systems	Exploiting Local and Global Social Context for Recommendation	Jiliang Tang, Huiji Gao, Huan Liu, Xia Hu
		Where You Like to Go Next: Successive Point-of-Interest Recommendation	Chen Cheng, Haiqin Yang, Michael R. Lyu, Irwin King
		Automatic Name-Face Alignment to Enable Cross-Media News Retrieval	Yuejie Zhang
		Retweet Behavior Understanding through Influence Locality Analysis	Zhang Jing, Biao Liu, Ting Chen, Jie Tang
		Synthesizing Union Tables from the Web	Xiao Ling, Alon Halevy, Fei Wu, Cong Yu
		PageRank with Priors: An Influence Propagation Perspective	Biao Xiang, Qi Liu, Enhong Chen, Hui Xiong, Yi Zheng
		Parametric Local Multimodal Hashing for Cross-view Similarity Search	Deming Zhai, Hong Chang, Yi Zhen, Xianming Liu, Wen Gao
		Context-Dependent Conceptualization	Dongwoo Kim, Haixun Wang, Alice Oh
	Agent-based and Multi-agent Systems	Revenue Maximization via Hiding Item Attributes	Mingyu Guo, Argyrios Deligkas
		Efficient Interdependent Value Combinatorial Auctions with Single-Minded Bidders	Valentin Robu, David Parkes, Takayuki Ito, Nick Jennings
		Reasoning about normative update	Natasha Alechina, Mehdi Dastani, Brian Logan
		Optimally Solving Dec-POMDPs as Continuous-State MDPs	Jilles Dibangoye, Christopher Amato, Olivier Buffet, Francois Charpillet
		A matroid approach to the worst case allocation of indivisible goods	Laurent Gourvès, Jérôme MONNOT, Lydia Tiliane
		Sufficient Plan-Time Statistics for Decentralized POMDPs	Frans Oliehoek
	AI and Computational Sustainability Special Track	A Reputation Management Model for Resource Constrained Trustee Agents	Han Yu, Miao Chunyan, Bo An
		Information fusion based learning for frugal traffic state sensing	Vikas Joshi, Nithya Rajamani, Takayuki Katsuki, Naveen Prathapaneni, L V Subramaniam
		Assessing the resilience of bilingual societies: coupling viability and active learning with kd-tree	Isabelle Alvarez, Ricardo de Aldama, Sophie Martin, Romain Reuillon
		An Active Learning Approach to Home Heating in the Smart Grid	Mike Shann, Sven Seuken
		Bayesian Joint Inversions for the Exploration of Earth Resources	Alistair Reid, Simon O'Callaghan, Edwin Bonilla, Lachlan McCalman, Tim Rawling, Fabio Ramos

POSTER SESSIONS

FRIDAY, AUG 9TH

Poster session 9 – FRIDAY, AUG 9TH			
10:15 – 12:00	AI and Computational Sustainability Special Track	Randomized Load Control: A Simple Distributed Approach for Scheduling Smart Appliances	Menkes van den Briel, Paul Scott, Sylvie Thiebaut
		Forecasting Multi-Appliance Usage for Smart Home Energy Management	Ngoc Cuong Truong, James McInerney, Long Tran-Thanh, Enrico Costanza, Sarvapali Ramchurn
	Machine Learning	A Probabilistic Approach to Latent Cluster Analysis	Xie Zhipeng, Rui Dong, Zhengheng Deng, Zhenying He, Weidong Yang
		Hartigan's K-means vs. Lloyd's K-means– is it time for a change?	Noam Slonim, Ehud Aharoni, Koby Crammer
		Semi-Supervised Learning for Integration of Aerosol Predictions from Multiple Satellite Instruments	Nemanja Djuric, Lakesh Kansakar, Slobodan Vucetic
		Multi-View Embedding Learning for Incompletely Labeled Data	Wei Zhang, Ke Zhang, Pan Gu, Xiangyang Xue
		The Multi-feature Information Bottleneck with Application to Unsupervised Image Categorization	Zhengzheng Lou, Yangdong Ye, Xiaoqiang Yan
		On Robust Estimation of High Dimensional Generalized Linear Models	Eunho Yang, Ambuj Tewari, Pradeep Ravikumar
		Accurate Probability Calibration for Multiple Classifiers	Wenliang Zhong, James Kwok
	Knowledge Representation, Reasoning and Logic	Computing Datalog Rewritings Beyond Horn Ontologies	Bernardo Cuenca Grau, Giorgos Stoilos, Boris Motik, Ian Horrocks
		Most Specific Generalizations w.r.t. General EL-TBoxes	Benjamin Zarrieß, Anni-Yasmin Turhan
		Tractable Queries for Lightweight Description Logics	Meghyn Bienvenu, Magdalena Ortiz, Mantas Simkus, Guohui Xiao
		Syntactic Labelled Tableaux for Lukasiewicz Fuzzy ALC	Agnieszka Kulacka, Dirk Pattinson, Lutz Schröder
		A Classification of First-Order Progressable Action Theories in Situation Calculus	Fabio Patrizi, Stavros Vassos
		Analogico-Deductive Generation of Gödel's First Incompleteness Theorem from the Liar Paradox	John Licato, Naveen Sundar Govindarajulu, Selmer Bringsjord, Michael Pomeranz, Logan Gittelsohn
		Representation and Reasoning about General Solid Rectangles	XiaoYu Ge, Jochen Renz
	Constraints, Satisfiability, and Search	Three generalizations of the Focus constraint	Nina Narodytska, Thierry Petit, Mohamed Siala, Toby Walsh
		Crowdsourcing Backdoor Identification for Combinatorial Optimization	Ronan Le Bras, Richard Bernstein, Carla Gomes, Bart Selman, Bruce van Dover
		A Multi-objective Memetic Algorithm for Vehicle Resource Allocation in Sustainable Transportation Planning	Hoong Chuin Lau, Lucas Agussurja, Shih-Fen Cheng, Pang Jin Tan

Main conference venue

Venue

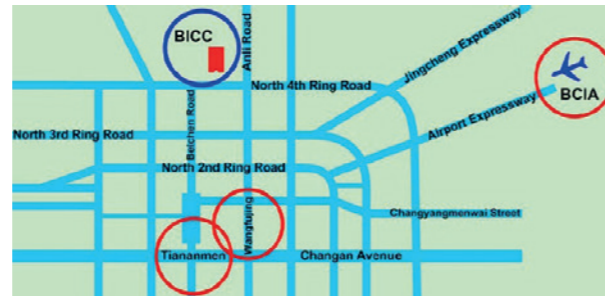
The IJCAI-13 will be held at the Beijing International Convention Center (BICC). BICC is located in the Olympic Village, a flourishing area of Beijing which has a collection of conference centers, businesses, shopping centers and entertainment venues. BICC is right across the street from the center of 2008 Beijing Olympic Games – Beijing National Stadium, known as the “Bird’s Nest”, and the Aquatic Center, known as the “Water Cube”.

Advanced Convention Facilities and Services

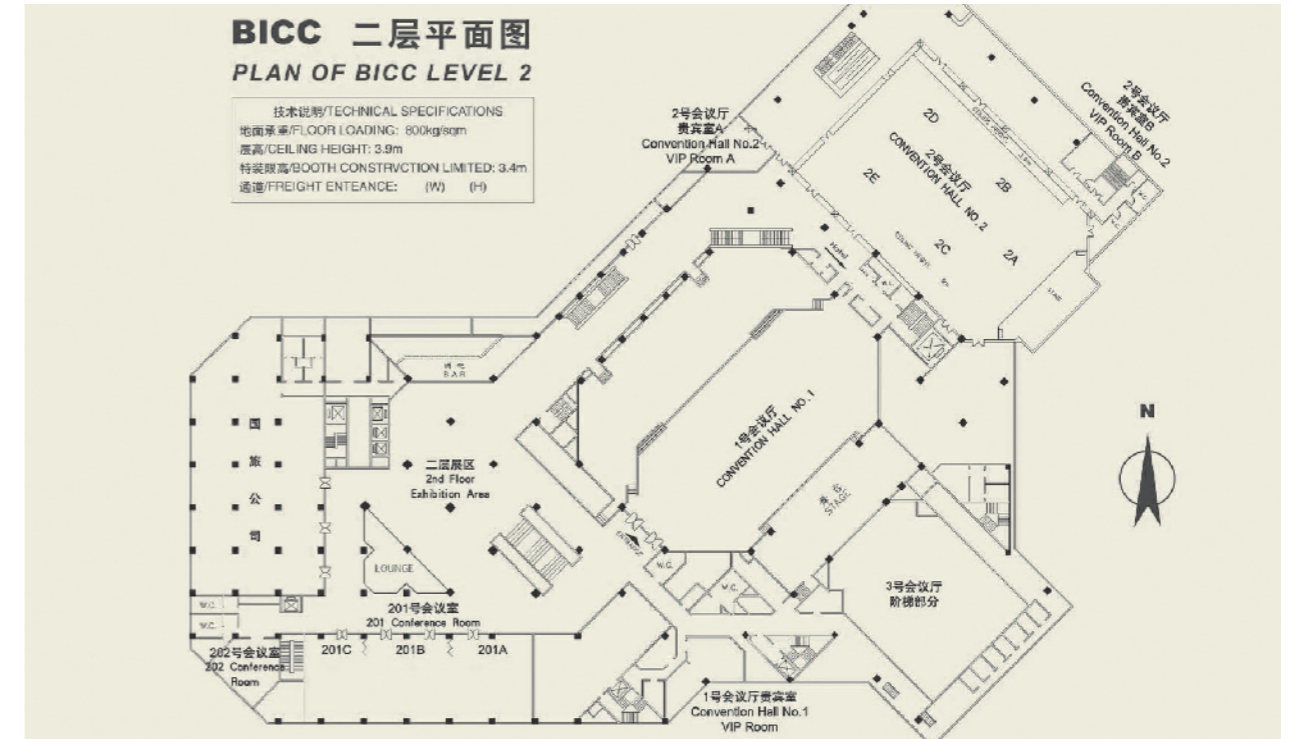
BICC has a total of 60,000 square meters and has over 40 conference rooms. It has an Exhibition Hall of 5,000 square meters and 20,000 square meters of office space. This conference hall is equipped with state-of-art auxiliary facilities, simultaneous interpretation system for six languages, projection devices and adjustable lighting system. VIP rooms are also available.

Convenient Transportation

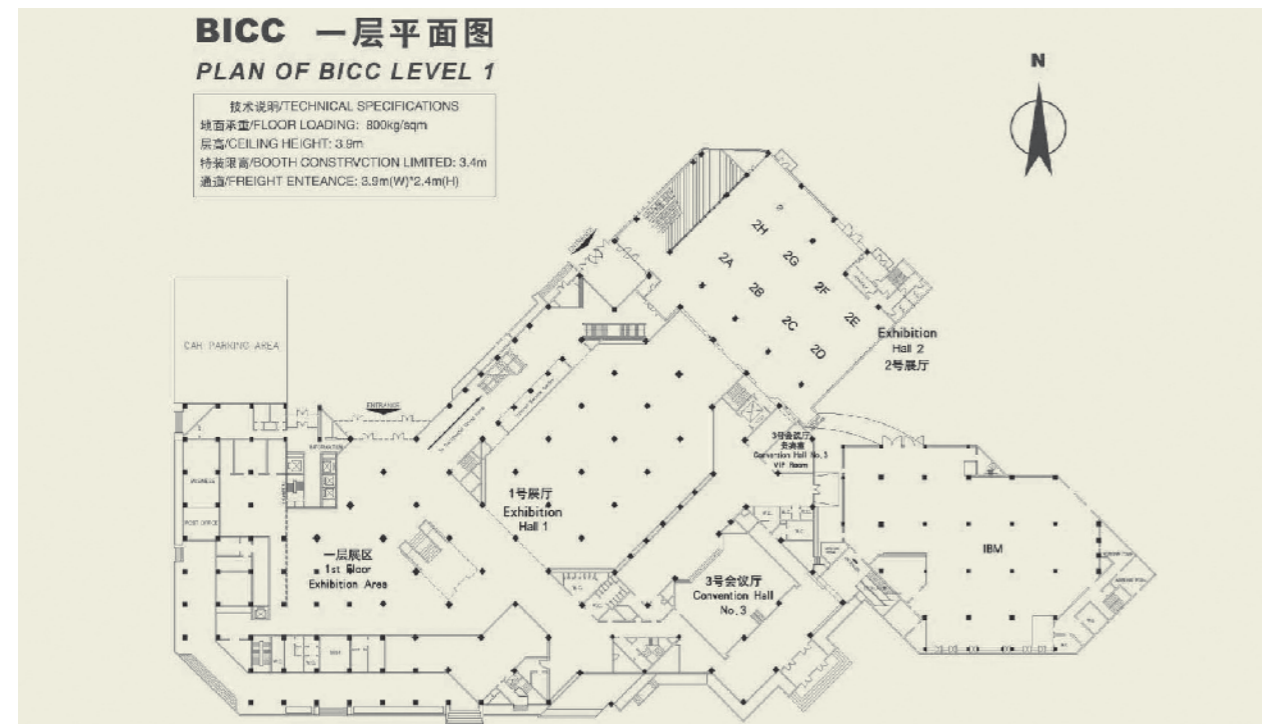
BICC is on the North 4th Ring Road of Beijing and along the capital axis line. It is 20 kilometers from the Beijing Capital International Airport (BCIA) and 9 kilometers from the city center.



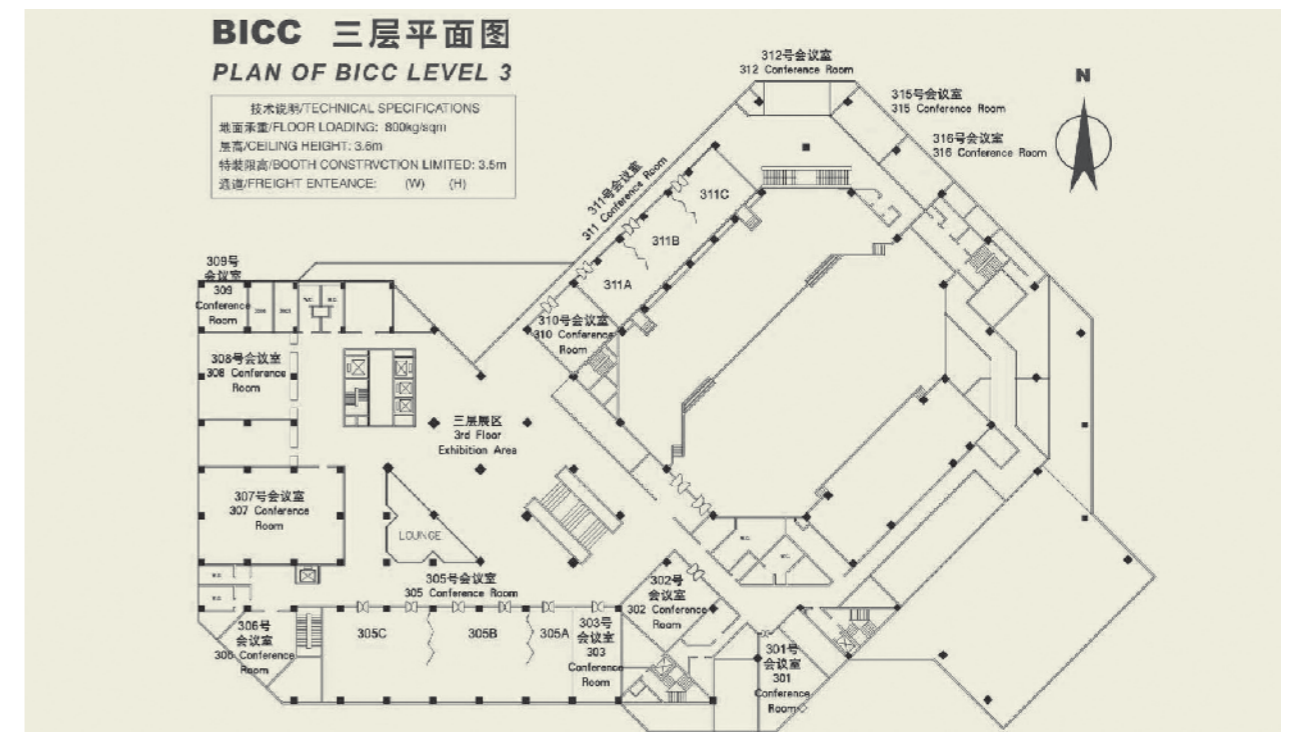
BICC - Level 2



BICC - Level 1



BICC - Level 3



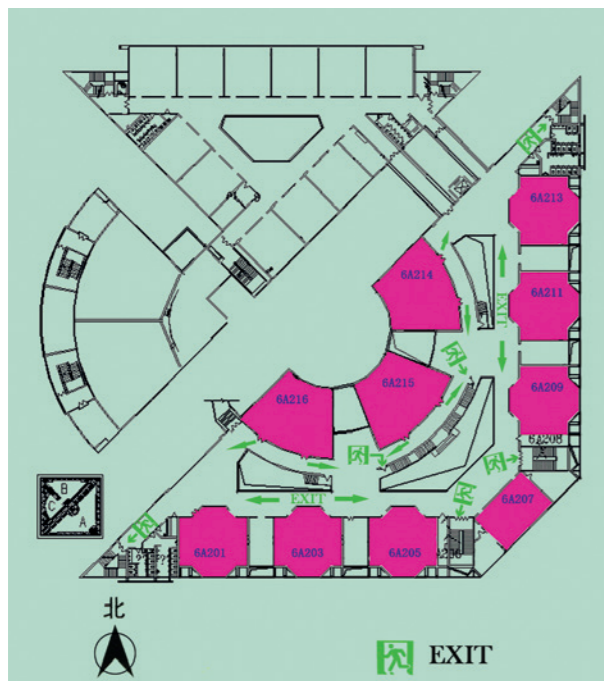
Workshops and tutorials venue

No. 6 Teaching Building, Tsinghua University,
Beijing, China

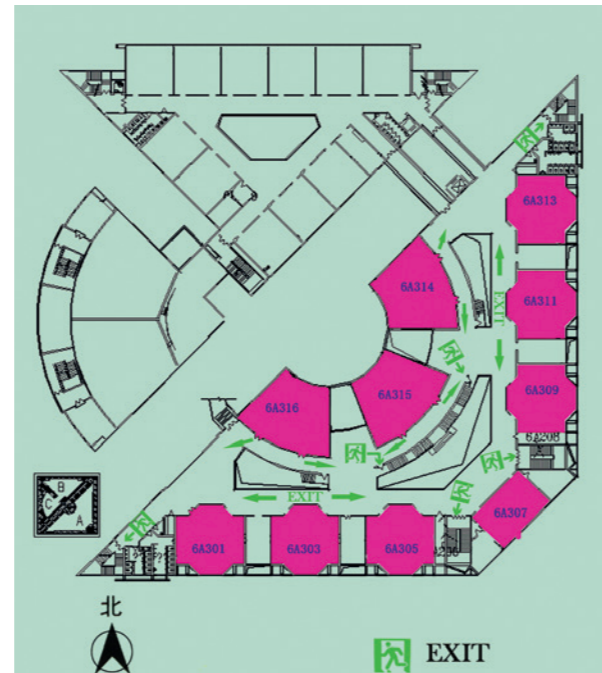
How to get Teaching Building



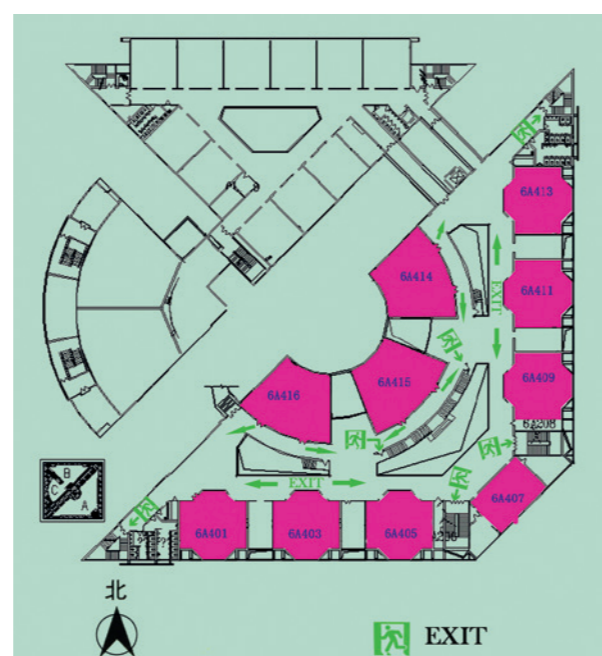
6th Teaching Building - 2nd floor A Zone



6th Teaching Building - 3rd floor A Zone



6th Teaching Building - 4th floor A Zone



IJCAI 2013 Opening & reception

August 5
18:30
Beijing International Convention Center

IJCAI 2013 Banquet

August 7
18:30
Banquet Hall of China National Conference Center
*No.7 Tianchen East Road, Chaoyang District, Beijing
100105 China*

How to get to

Workshop and Tutorials Venue

– On August 3, buses will depart from Continental Grand Hotel to Tsinghua University at 08:00.

– On August 4 and August 5, buses will depart at 08:20. During the day, there will be hourly bus service between the Continental Grand Hotel and Tsinghua University.

Banquet

– Please follow the lead of IJCAI-13 volunteers to walk from BICC to CNCC.

Restaurants

Lunches will be served every day during the main conference for all delegates. There are also a number of restaurants nearby on the Anli Road around the corner from the convention center as well as the food court in the shopping mall adjacent to the Crowne Plaza Hotel.

Discovering Beijing

Beijing, as the capital of the People's Republic of China, is the nation's political, economic, and cultural center as well as China's most important center for international trade and communications. Beijing is also one of the eight ancient cities in China. Consequently, there is an unparalleled wealth of discovery to delight and intrigue travelers as they explore Beijing's ancient past and enjoy its exciting modern development.

Beijing is the R&D center of science and technology of China. It possesses some major institutes of the Chinese Academy of Sciences. Besides, it is also the home of the most prestigious universities in China, including Peking University and Tsinghua University.



Terms and conditions disclaimer

(To be accepted at registration time)

Registration and Payment

- Registration must be processed throughout the Online Registration System.
- All payments must be made in USD(\$)
- All payments must be done by credit card or wire transfer.

Bank Details

- Bank Name: Wells Fargo Bank
- Account Name: IJCAI-13
- 8951 E Tanque Verde Rd
- Tucson, AZ 85749, USA
- Account Number: 5285145107
- Routing transit number, 121000248 for domestic wires
- Swift code: WFBIUS6S for international wires
- Payment reference: IJCAI-13 + Name of registered person + Paper_ID

Confirmation

- Once you submit your registration online, you will receive an email reply to confirm the registration, but your registration will still be in pending status until the payments have arrived. The registration status can be checked by clicking on the “Check Registration” button.
- Invoicing**
- Invoicing details must be indicated during the online registration process.
- Official receipt will be included in your conference package when you check in during the conference.
- E-invoices must be requested by e-mail to the Registration Services: registration-at-ijcai13.org
- Cancellation and Changes**
- All cancellation must be sent to Registration Services by e-mail.
- Any change of name will be dealt with as a cancellation and a new registration.
- In case of cancellations until July 20, 2013, deposits will be refunded less 50 USD for administrative costs.
- No refund will be made for cancellations received after July 20, 2013 or registrants who fail to attend.

General Disclaimer

In case of conference cancellation for reasons beyond the control of IJCAI-13 organizers, the liability of the IJCAI-13 organizers is limited to the fees already paid by the registrants. IJCAI-13 will not be responsible for any personal inconvenience that may arise.

Photograph and video recording release

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Special meetings

Sunday, August 4

- IJCAI Trustees Meeting
- 08:30 - 18:30
- Conference Center (BICC)
- ROOM VIP 2A

- AI Journal Steering Committee Meeting
- 18:45 - 19:45
- Conference Center (BICC)
- ROOM VIP 2A

Monday, August 5

- IJCAI Trustees Meeting
- 08:30 - 12:45
- Conference Center (BICC)
- ROOM VIP 2A

- IJCAI Executive Committee Meeting
- 13:30 - 18:00
- Wuzhou Room
- Beijing North Star Continental Grand Hotel

Tuesday, August 6

- AI Journal Editorial Board Meeting
- 13:00 - 14:30
- Wuzhou Room
- Beijing North Star Continental Grand Hotel

- International AI Societies Meeting
- 15:30 - 17:00
- Wuzhou Room
- Beijing North Star Continental Grand Hotel

- ECCAI General Assembly
- 18:00 - 20:00
- Conference Center (BICC)
- ROOM 201A

Thursday, August 8

- IJCAI-13 and IJCAI-15 LAC Brief Meeting
- 11:30 - 12:30
- Conference Center (BICC)
- ROOM VIP 2A

- IJCAI Annual Business Meeting
- 13:00 - 13:45
- Conference Center (BICC)
- ROOM 305CD
- Open to public*

Friday, August 9

- IJCAI-13 Wrap-up Meeting
- 10:30 - 11:30
- Conference Center (BICC)
- ROOM VIP 2A

- IJCAI Trustees Meeting
- 12:00 - 13:30
- Conference Center (BICC)
- ROOM VIP 2A

Internet

Free wireless internet access is available at the conference site.

Proceedings download information

Proceedings can be downloaded from:
<http://ijcai.org/papers13/contents.php>

IJCAI 2013 T-Shirts

IJCAI-13 T-shirts are available for sale at the registration desk.

IJCAI 2015

IJCAI-15 will be held in Buenos Aires, Argentina.

South America has never before hosted an IJCAI conference, and Buenos Aires is surely an ideal choice for this landmark event. A key cultural centre in South America, the City of Buenos Aires is also one of the most important and dynamic business and intellectual centers of the region.

Buenos Aires has incredible food and wine, innovative and exciting young designers, and a thriving cultural scene. But less tangible things are at the heart of the city - for one, the spirit of its inhabitants. Here a flirtatious glance can be as passionate as a tango; and a heated sports discussion as important as a world-class soccer match. It is this zest for life that makes Buenos Aires one of Latin America's essential destinations.

IJCAI-15 will take place close to the downtown area of Buenos Aires. Attendees will find an outstanding modern conference venue, close to many restaurants, with a vibrant street life. And of course, since a visit to Buenos Aires would be incomplete without a visit to the famous Boca neighborhood and taking in a tango show, we have planned an exciting social program including both.

Come to IJCAI-15, and take the time to experience the greatness of the cultural, political, and educational heart of Argentina and South America.

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Conference at a glance

Day	Morning	Afternoon	Evening
August 3	Registration, Workshops and Tutorials	Registration, Workshop and Tutorials	
August 4	Registration, Workshops and Tutorials	Registration, Workshop and Tutorials	
August 5	Registration, Workshops and Tutorials	Registration, Workshop and Tutorials	Opening Ceremony and Reception
August 6	Registration, IJCAI technical program (invited talks), Computer and Thought Award Lecture, Angry Bird Competition	Registration, IJCAI technical program (papers, posters), Computer and Thought Award Lecture, IJCAI 2013 Distinguished Papers, ECCAI 2013 Dissertation Award, IJCAI-JAIR 2013 Best Paper, Best Papers in Sister Conferences Track, Angry Bird Competition	
August 7	Registration, IJCAI technical program (papers, posters), Best Papers in Sister Conferences Track, Journal Track, Angry Bird Competition	Registration, IJCAI technical program (invited talks, papers, posters), Debate, Best Papers in Sister Conferences Track, Journal Track, Angry Bird Competition	Banquet
August 8	Registration, IJCAI technical program (invited talks, papers, posters), Robot Competition Award Ceremony, Video Competition Award Ceremony, Research Excellence Lecture, Angry Bird Competition, IJCAI Annual Business Meeting	Registration, IJCAI technical program (papers, posters), Best Papers in Sister Conference Track, Angry Bird Competition	
August 9	Registration, IJCAI technical program (papers, posters), Best Papers in Sister Conferences Track, Journal Track, Angry Bird Competition	IJCAI technical program (invited talks), Panel, Angry Bird Competition Award Ceremony, Closing Event	



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