

**TWENTY-SECOND INTERNATIONAL
JOINT CONFERENCE ON ARTIFICIAL INTELLIGENCE**

Integrated and Embedded Artificial Intelligence

REGISTRATION BROCHURE

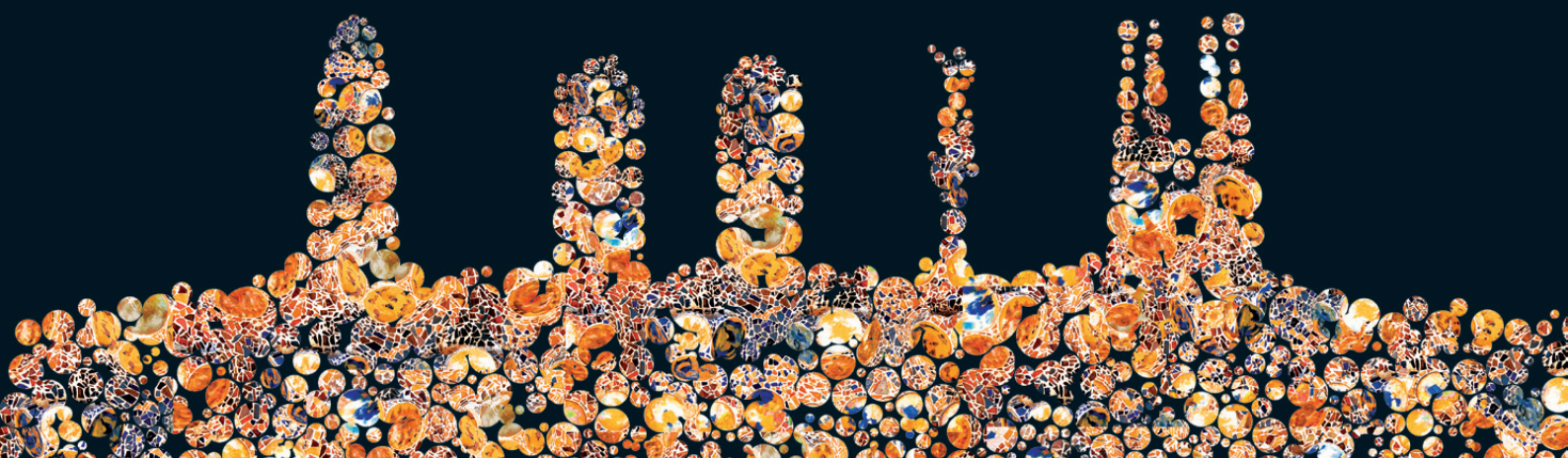
IJCAI-11

JULY 16-22, 2011

*CCIB – Centre de Convencions
Internacional de Barcelona*

BARCELONA, CATALONIA (SPAIN)

www.ijcai-11.org



Organized by:



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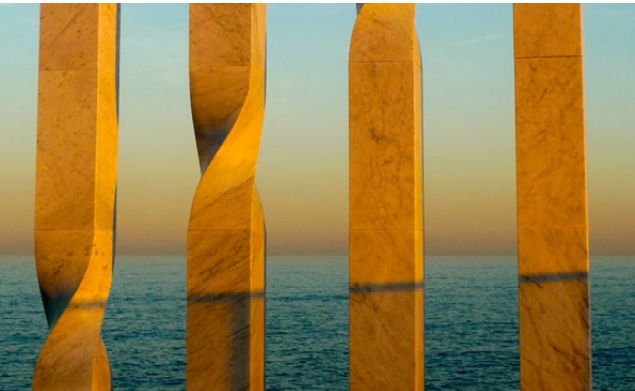


Photo by Enric Plaza

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Institute for Computational Sustainability (ICS)
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Agreement Technologies
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INTRODUCTION

- The IJCAI-11 Conference contains the following events::
- Technical Program (Conference Centre), July 19-22, 2011
 - Tutorial Program (Universitat de Barcelona), July 16-18, 2011
 - Workshop Program (Universitat de Barcelona), July 16-18, 2011
 - Exhibition (Conference Centre), July 19-22, 2011
 - Doctoral Consortium (Universitat de Barcelona), July 18, 2011
 - Sister Conference Best Paper talks (Conference Centre), July 19-21, 2011
 - Student Reception (Conference Centre), July 19, 2011
 - Industry Day (Conference Centre), July 22, 2011

IJCAI-11 OPENING & RECEPTION



Palau de la Música: a Unesco Heritage jewel

Monday 18 July, 2011
Palau de la Música Catalana
19.00 - 22.30h
Free for IJCAI-11 attendees

The IJCAI-11 Opening will take place at 19.00 hours at the Concert Hall of the Palau de la Música Catalana and will be followed by a Reception at the Foyer. Craig Knoblock, IJCAI-11 Conference Chair, will chair the Opening Ceremony. The opening reception will take place from 20.30 to 22.30 hours.

The opening reception will include tapas, drinks and the unique performance of a thrilling musical tragic-comedy **Casparo, fragments of an Opera**. This opera has been composed by the Artificial Intelligence researcher Luc Steels with libretto of the neuroscientist Òscar Vilarroya.



Òscar Vilarroya / Luc Steels



The unique performance of a thrilling musical

The Venue is a UNESCO World Heritage Centre, masterpiece of the art nouveau. It is an outstanding building with a special concept of space and light. Visiting the Palau is a must for any tourist..

IJCAI-11 CONFERENCE BANQUET



Poble Espanyol
Wednesday 20 July, 2011
Poble Espanyol
20,30 – 23,00h
Free for IJCAI-11 attendees

Dinner & Entertainment is included in the registration fee. The dinner will be open air in a relaxed atmosphere and will include a music performance.

The Poble Espanyol is an outdoor open-air architectural museum, located on the mountain of Montjuïc. It was constructed in 1929, for the Barcelona International Exhibition, that was held in Barcelona that year. Josep Puig i Cadafalch had the idea for the museum: a town in which the architecture, style, and culture of various locations from around Spain were preserved in a single place. The aim was to give an idea of what might be an “ideal model” of a Spanish village, containing the main characteristics of all towns and villages in the peninsula. We recommend you to arrive earlier to enjoy this amazing place.



Mark d'Inverno Trio at Poble Espanyol

EXHIBITION

From 10 am Tuesday (July 19) to 3pm Friday (July 22)

The IJCAI 2011 Exhibits Programme at IJCAI-2011 will provide companies and academic institutions with a 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. The exhibition area will be located at the coffee break area and near the sessions rooms to foster interaction with the conference participants.

IJCAI-11 AWARDS

Tuesday 19 July, 2011

The IJCAI-11 Award for Research Excellence and the Computers and Thought Award are awarded by the IJCAI Board of Trustees, upon recommendation by the IJCAI-11 Awards Selection Committee, which consists this year of

- Jaime Carbonell, Carnegie Mellon University (USA)
- Tom Dietterich, Oregon State University (USA)
- Fausto Giunchiglia, University of Trento (Italy)
- Ramon López de Màntaras, IIIA-CSIC (Spain) (Chair)
- Peter Stone, University of Texas at Austin (USA)

The IJCAI Awards Selection Committee receives advice from members of the IJCAI-11 Awards Review Committee, who comment on the accuracy of the nomination material and provide additional information about the nominees. The IJCAI-11 Awards Review Committee is the union of the former Trustees of IJCAI, the IJCAI-11 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-11 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) and Victor Lesser (2009).



The winner of the 2011 Award for Research Excellence is [Robert Anthony Kowalski](#), Senior Research Investigator and Emeritus Professor of Computational Logic at the Department of Computing of the Imperial College London.

Professor Kowalski is recognized for his contributions to logic for knowledge representation and problem solving, including his pioneering work on automated theorem proving and logic programming.



[The awards will take place at CCIB](#)

IJCAI-11 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) and Andrew Ng (2009).

The winners of the 2011 IJCAI Computers and Thought Award are:

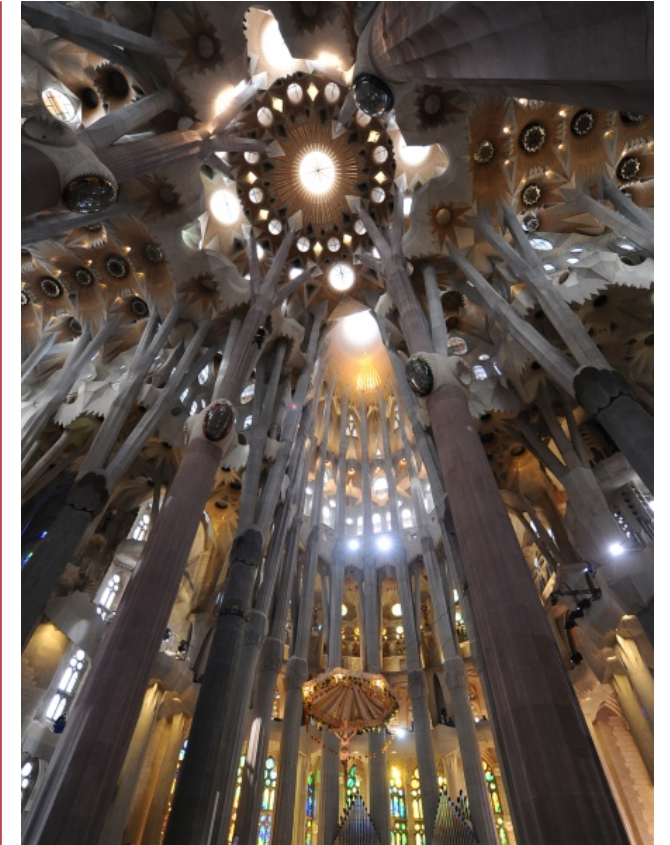


[Vincent Conitzer](#), Assistant Professor in the Department of Computer Science and the Economics Department at Duke University.



[Malte Helmert](#), Assistant Professor in the Computer Science Department of the University of Freiburg.

Professor Conitzer is recognized for his seminal work at the boundary of microeconomic theory and artificial intelligence, in particular for groundbreaking work on computational aspects of game theory, social choice, and mechanism design. Professor Helmert is recognized for his fundamental contributions to the theory and practice in automated planning and combinatorial search.



[Sagrada Família](#)

DONALD E. WALKER
DISTINGUISHED SERVICE AWARD

The IJCAI Distinguished Service Award was established in 1979 by the IJCAI Trustees to honor senior scientists in Artificial Intelligence 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) and Luigia Carlucci Aiello (2009).



At IJCAI-11, the Donald E. Walker Distinguished Service Award will be given to [Dr. Raymond C. Perrault](#), Director of the Artificial Intelligence Center at SRI International. Dr. Perrault is recognized for his substantial contributions, as well as his extensive service to the field of Artificial Intelligence throughout his career. He served as the Editor-in-Chief of the Artificial Intelligence Journal for many years and made significant contributions to the success of the journal and to the wider dissemination of Artificial Intelligence into the scientific community.

TECHNICAL CONFERENCE
PROGRAM

Visit the conference web site <http://ijcai-11.iia.csic.es/> for the latest information on the conference program. Details about the technical program will be posted in May 2011.



Photo by Enric Plaza

KEYNOTE & INVITED SPEAKERS

KEYNOTE SPEAKERS

Towards a Smarter Web

Wendy Hall
University of Southampton

TALK SPONSORED BY THE EUROPEAN COORDINATING COMMITTEE FOR
ARTIFICIAL INTELLIGENCE (ECCAI)

Designing Online Advertising Markets

Susan Athey
Harvard University and Microsoft Corporation

INVITED SPEAKERS

Rich probabilistic models for image understanding

Daphne Koller
Stanford Artificial Intelligence Lab

Homo heuristicus: Why biased minds make better inferences

Gerd Gigerenzer
Max Planck Institute for Human Development

Open Information Extraction at Web Scale

Oren Etzioni
University of Washington

Sun, Surf and Automation:
A Decade of Field Robotics in Australia

Hugh Durrant-Whyte
University of Sydney

The Games People Play Revisited

Jonathan Schaeffer
University of Alberta

Adventures in Scheduling: Some Trends in Operations Research

Mike Trick
Carnegie Mellon University

TIMETABLE

DAY	MORNING	AFTERNOON	EVENING
SATURDAY JULY 16	Registration Workshops & Tutorials	Registration Workshops & Tutorials	
SUNDAY JULY 17	Registration Workshops & Tutorials	Registration Workshops & Tutorials	
MONDAY JULY 18	Registration Workshops & Tutorials Doctoral Consortium	Registration Workshops & Tutorials Doctoral Consortium	IJCAI-11 Opening Ceremony and Reception
TUESDAY JULY 19	Registration IJCAI Technical Program (Invited Talks, Papers, Posters) Large Track of Best Papers from Sister Conferences Trading Agent Competition Exhibit Program	Registration IJCAI Technical Program (Invited Talks, Papers, Posters) Large Track of Best Papers from Sister Conferences Trading Agent Competition Exhibit Program IJCAI-11 Awards	Student Reception
WEDNESDAY JULY 20	Registration IJCAI Technical Program (Invited Talks, Papers, Posters) Large Track of Best Papers from Sister Conferences Exhibit Program	Registration IJCAI Technical Program (Invited Talks, Papers, Posters) Large Track of Best Papers from Sister Conferences Exhibit Program	Banquet
THURSDAY JULY 21	Registration IJCAI Technical Program (Invited Talks, Papers, Posters) Large Track of Best Papers from Sister Conferences Ramon Llull Session Exhibit Program	Registration IJCAI Technical Program (Invited Talks, Papers, Posters) Large Track of Best Papers from Sister Conferences IJCAI Annual Business Meeting Ramon Llull Session Exhibit Program	<i>Research Excellence Lecture</i>
FRIDAY JULY 22	Registration IJCAI Technical Program (Invited Talks, Papers, Posters) Industry Day Exhibit Program	IJCAI Technical Program (Invited Talks, Papers, Posters) Industry Day Exhibit Program Closing Ceremony	

TUTORIAL PROGRAM

Tutorials are free for IJCAI-11 attendees

SATURDAY (July 16, 2011)

T3	Optimisation in Multi-Agent Systems	TUTORS: <i>ALESSANDRO FARINELLI, JESÚS CERQUIDES, SARVAPALI D. RAMCHURN, PEDRO MESEGUER, ALEX ROGERS AND JUAN A. RODRIGUEZ-AGUILAR</i>	Full day
T6	Satisfiability Modulo Theories	TUTOR: <i>ROBERTO SEBASTIANI</i>	Morning
T10	Algorithms for Classical Planning	TUTOR: <i>JUSSI RINTANEN</i>	Afternoon
T11	Advanced Introduction to Planning: Models and Methods	TUTOR: <i>HECTOR GEFFNER</i>	Morning
T13	Enhancing OWL Ontologies via Formal Concept Analysis	TUTORS: <i>SEBASTIAN RUDOLPH AND BARIS SERTKAYA</i>	Afternoon

SUNDAY (July 17, 2011)

T2	Cooperative Games in Multi-Agent Systems	TUTORS: <i>EDITH ELKIND, GEORGIOS CHALKIADAKIS AND MICHAEL WOOLDRIDGE</i>	Full day
T4	Answer Set Solving in Practice	TUTORS: <i>MARTIN GEBSER AND TORSTEN SCHAUB</i>	Full day
T7	Integrating Probabilistic Reasoning with Constraint Satisfaction	TUTOR: <i>ERIC I. HSU</i>	Afternoon
T12	Recommender Systems	TUTORS: <i>DIETMAR JANNACH, MARKUS ZANKER AND GERHARD FRIEDRICH</i>	Morning
T16	Web Mining	TUTORS: <i>RICARDO BAEZA-YATES AND ARIS GIONIS</i>	Afternoon

MONDAY (July 18, 2011)

T1	Lifted Inference in Probabilistic Logical Models	TUTORS: <i>KRISTIAN KERSTING, SRIRAAM NATARAJAN AND DAVID POOLE</i>	Full day
T5	Semantic Knowledge Bases from Web Sources	TUTORS: <i>FABIAN M. SUCHANEK, MARTIN THEOBALD, GERHARD WEIKUM, HADY W. LAUW AND RALF SCHENKEL</i>	Full day
T8	Constraint Processing from the Graphical Model Perspective	TUTOR: <i>RINA DECHTER</i>	Afternoon
T9	Recommender Systems	TUTORS: <i>SYLVAIN BOUVERET AND JEROME LANG</i>	Morning
T14	Logic-Based Event Recognition	TUTORS: <i>ALEXANDER ARTIKIS, GEORGIOS PALIOURAS AND FRANCOIS PORTET</i>	Morning
T15	Parallel Data Mining on Multicores	TUTORS: <i>ALEXANDRE TERMIER, ANNE LAURENT AND SHIRISH TATIKONDA</i>	Afternoon

WORKSHOP PROGRAM



SATURDAY (July 16, 2011)

W1	Agents Learning Interactively from Human Teachers	CONTACT: <i>W. BRADLEY KNOX</i>	Full day (Continues the following day)
W3	Explanation-aware Computing ExaCt 2011	CONTACT: <i>THOMAS ROTH-BERGHOFER</i>	Full day (Continues the following day)
W4	Nonmonotonic Reasoning, Action, and Change (NRAC-11)	CONTACT: <i>SEBASTIAN SARDINA</i>	Full day (Continues the following day)
W6	Chance Discovery	CONTACT: <i>AKINORI ABE</i>	Full day
W7	Intelligent Techniques for Web Personalization & Recommendation (ITWP'11)	CONTACT: <i>SARABJOT SINGH ANAND</i>	Full day
W9	Space, Time and Ambient Intelligence	CONTACT: <i>MEHUL BHATT</i>	Full day
W13	Artificial Intelligence and Logistics	CONTACT: <i>LUTZ FROMMBERGER</i>	Full day
W16	Link Analysis in Heterogeneous Information Networks	CONTACT: <i>WILLIAM H. HSU</i>	Full day
W18	Workshop on Configuration	CONTACT: <i>DIETMAR JANNACH</i>	Full day
W20	Workshop on Social Choice and Artificial Intelligence	CONTACT: <i>JÉRÔME LANG</i>	Full day
W22	Second IJCAI International Workshop on Graph Structures for Knowledge Representation and Reasoning	CONTACT: <i>MADALINA CROITORU</i>	Full day
W23	Discovering Meaning on the Go in Large and Heterogeneous Data	CONTACT: <i>FIONA MCNEILL</i>	Full day
W25	1st International Workshop on Theory and Applications of Formal Argumentation	CONTACT: <i>SANJAY MODGIL</i>	Full day

SUNDAY (July 17, 2011)

W1	Agents Learning Interactively from Human Teachers	CONTACT: <i>W. BRADLEY KNOX</i>	Full day (Continued from the previous day)
W2	12th International Workshop on Computational Logic in Multi-Agent Systems (CLIMA)	CONTACT: <i>JOÃO LEITE</i>	Full day (Continues the following day)
W3	Explanation-aware Computing ExaCt 2011	CONTACT: <i>THOMAS ROTH-BERGHOFER</i>	Full day (Continued from the previous day)
W4	Nonmonotonic Reasoning, Action, and Change (NRAC-11)	CONTACT: <i>SEBASTIAN SARDINA</i>	Morning (Continued from the previous day)
W5	Third International Workshop on Automated Reasoning about Context and Ontology Evolution (ARCOE-11)	CONTACT: <i>IVAN JOSÉ VARZINCZAK</i>	Afternoon (Continues the following day)

SUNDAY (July 17, 2011)

W12	Artificial Intelligence in Space: Intelligence beyond Planet Earth	CONTACT: <i>STEVE CHIEN</i>	Full day
W14	7th International Workshop on Neural-Symbolic Learning and Reasoning (NeSy'11)	CONTACT: <i>ARTUR GARCEZ</i>	Full day
W17	7th Workshop on Knowledge and Reasoning in Practical Dialogue Systems	CONTACT: <i>JAN ALEXANDERSSON</i>	Full day
W21	6th International Symposium on Attention in Cognitive Systems	CONTACT: <i>LUCAS PALETTA</i>	Full day
W24	Distributed Constraint Reasoning (DCR)	CONTACT: <i>PEDRO MESEGUER</i>	Full day
W27	Benchmarks and Applications of Spatial Reasoning	CONTACT: <i>JOCHEN RENZ</i>	Full day
W29	Trading Agent Design and Analysis Workshop (TADA'11)	CONTACT: <i>ANDREAS L. SYMEONIDIS</i>	Full day
W31	18th RCRA International Workshop on Experimental evaluation of algorithms for solving problems with combinatorial explosion (RCRA 2011)	CONTACT: <i>TONI MANCINI</i>	Full day (Continues the following day)

MONDAY (July 18, 2011)

W2	12th International Workshop on Computational Logic in Multi-Agent Systems (CLIMA)	CONTACT: <i>JOAO LEITE</i>	Full day (Continued from the previous day)
W5	Third International Workshop on Automated Reasoning about Context and Ontology Evolution (ARCOE-11)	CONTACT: <i>IVAN JOSÉ VARZINCZAK</i>	Full day (Continued from the previous day)
W8	Workshop on the use of SAT techniques in Artificial Intelligence problems	CONTACT: <i>ALBAN GRASTIEN</i>	Full day
W10	International Workshop on Intelligent Security	CONTACT: <i>MARK BODDY</i>	Full day
W11	Decision Making in Partially Observable, Uncertain Worlds: Exploring Insights from Multiple Communities	CONTACT: <i>EMMA BRUNSKILL</i>	Full day
W15	Social Web Mining	CONTACT: <i>SHENGBO GUO</i>	Full day
W19	Visual Representations and Reasoning	CONTACT: <i>MAITHILEE KUNDA</i>	Full day
W26	Learning by Reading and its Applications in Intelligence Question-Answering (FAM-LbR/KRAQ'11)	CONTACT: <i>RUTU MULKAR-MEHTA</i>	Full day
W28	AI for an Intelligent Planet	CONTACT: <i>BIPLAV SRIVASTAVA</i>	Full day
W30	2nd International General Game Playing Workshop	CONTACT: <i>MICHAEL THIELSCHER</i>	Full day
W31	18th RCRA International Workshop on Experimental evaluation of algorithms for solving problems with combinatorial explosion (RCRA 2011)	CONTACT: <i>TONI MANCINI</i>	Full day (Continued from the previous day)

CO-LOCATED EVENTS

Days (July 2011):

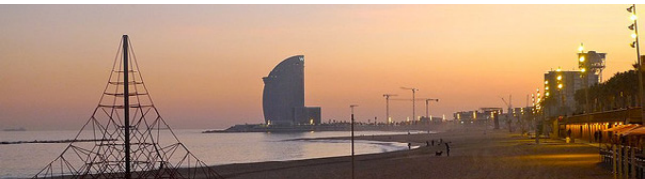
11	12	13	14	15	16	17	18	19	20	21	22
					IJCAI (W&T)			IJCAI-11 (MAIN)			
		DL 2011									
								Rule ML 2011			
			UAI 2011								
UMAP 2011											
						ICWSM 2011					
					QR 2011						
			COST Action IC0801								
						SARA 2011					
				SoCS 2011							
							AMR 2011				
EASSS 2011											

- DL 2011: 24th International Workshop on Description Logics
- RuleML 2011: 5th International Web Rule Symposium
- UAI 2011: 27th Conference on Uncertainty in Artificial Intelligence
- UMAP 2011: 19th International Conference on User Modelling, Adaptation and Personalization
- ICWSM 2011: 5th Int. AAAI Conference on Weblogs and Social Media
- QR 2011: 25th International Workshop on Qualitative Reasoning
- COST Action IC0801: Agreement Technologies (COST Action IC0801): meeting and workshops
- SARA 2011: 9th Symposium on Approximation, Abstraction, Reformulation
- SoCS 2011: 4th Symposium on Combinatorial Search
- AMR 2011: 9th International Workshop on Adaptive Multimedia Retrieval
- EASSS 2011: European Agent Systems Summer School

DOCTORAL CONSORTIUM July 18, 2011

Participation in the doctoral consortium at IJCAI will allow students to discuss their research with senior members of the community, network with students from around the world, and discuss issues related to ethics in computing research. The goals of the project are to give students a clearer idea of what ethical dilemmas they may encounter as computer scientists, meet other students and professionals, have the opportunity to present their work to others in related research subfields, and receive feedback from a senior member of their research community.

STUDENT ONLY RECEPTION July 19, 2011



IJCAI will hold a Student Reception on Tuesday, July 19, 18:30-20:30 in room 112 of the CCIB. Snacks and beverages will be served. All IJCAI-11 registered students are welcome. The reception is an ideal venue for students to network with fellows students from all over the world, exchange experiences, learn about research opportunities, and strengthen the scientific links of their generation.

IJCAI-11 STUDENT VOLUNTEER PROGRAM

IJCAI is pleased to announce the continuation of their Student Volunteer Program for 2011. The Student Volunteer Program is an essential part of the conference, and student participation is a valuable contribution. Volunteers will support IJCAI-11 organizers in Barcelona. In 2011, a limited number of complimentary technical program registrations will be available for students who volunteer during the conference.

The volunteer program is intended either for local students or for foreign students who have already other sources of funding to travel to Barcelona. If you are also seeking travel funds, you may apply for the IJCAI-11 travel grant program.

There are a limited number of volunteer positions and preference is given to students who are actively participating in IJCAI-11 with accepted papers or posters. However, all eligible students are encouraged to apply.

Applicants should:

- fill out an submit the IJCAI-11 Volunteer Application form, and
- email a signed letter of recommendation of their supervisors to volunteers -at- ijcai-11.org (if applicable) no later than 15th April 2011. A decision will be sent by 30th April 2011.

For further information regarding the Student Volunteer Program, please contact IJCAI-11 at volunteers@ijcai-11.org.

LARGE TRACK OF BEST PAPERS FROM SISTER CONFERENCES July 19-21, 2011

Throughout the technical program, there is a track of Best Papers from related sister conferences. This track is designed to celebrate the best work in AI, to give the work exposure to a wider and more general audience, and to help tackle the splintering of the Artificial Intelligence community into separate discipline conferences.

Participating conferences include:

AAMAS 2011	IUI 2011
ACM Recommender 2010	JELIA 2010
CHI 2011	KDD 2010
COLT 2010	KR 2010
CP 2011	LPNMR 2011
ECSQARU 2011	RSS 2010
ECM PKDD	RuleML 2011
ICAPS 2011	SAT 2010
ICCBR 2010	SoCS 2011
ICDM 2010	TARK 2011
ICLP 2010	UAI 2011
ISWC 2010	UMAP 2010

INDUSTRY DAY July 22, 2011

IJCAI's Industry Day will take place on Friday July 22nd and is intended to provide a forum to discuss how industry is leveraging or could leverage AI techniques to have an impact in the real world. This year we have an impressive and fascinating program. If you are interested in knowing more about how Watson works (and won in Jeopardy!), the large scale machine learning algorithms that Google uses, or how Artificial Intelligence are helping Microsoft, Telefonica and Yahoo! in their businesses, please come to the Industry Day. In addition to speakers from large companies, we will feature speakers from start-ups and relevant smaller and local companies.

TRADING AGENT COMPETITION July 19, 2011

The rise of online markets in areas as diverse as keyword auctions for sponsored search and wholesale energy markets has created a strong need for automated systems that can operate efficiently in competitive economic environments. The annual Trading Agent Competition (see tradingagents.org) provides a forum for demonstration and evaluation of such systems in a series of competitive simulation games. The 2011 tournament to be held at IJCAI in Barcelona will showcase a range of market scenarios, including supply-chain, ad auctions, exchange markets, retail electric power, and a simple but subtle lemonade stand game.

RAMON LLULL SESSION July 21, 2011



Ramon Llull (ca. 1232 – 1316) was a Catalan writer and philosopher, who composed the first major books of Catalan literature. Recently discovered manuscripts show him to have anticipated by several centuries prominent work on election theory. In particular, the Borda and Condorcet voting mechanisms were proposed by him in the 13th Century, almost 500 years earlier than the date often given for these Concepts.

For some, he is the founding father of computer science, especially given his influence on Gottfried Leibniz. Llull's contributions span over the areas of formal logic, argumentation and social choice. During IJCAI 2011 a special session will analyse the pioneering work of Llull in these areas. In particular, two invited talks will highlight Llull's contributions to logic and voting mechanisms while a panel will broaden the discussion taking into account his influence in rhetorics, argumentation and artificial intelligence.

CLOSING EVENT July 22, 2011

On Friday 22nd, between 4pm and 5pm, the closing event will pass the torch to IJCAI 2013 in Beijing. While enjoying a drink and some tapas, you will be able to listen to the exciting plans of the IJCAI 2013 organisers, as well as say goodbye to your colleagues from around the world.

During the event a number of goodies will be raffled for free among the attendees. Make sure you don't miss this closing event as you need to be there to be eligible for a prize! Items to be raffled include the video cameras used

for recording the technical presentations as well as several iPads donated by sponsors.

We recommend therefore that, when making your travel plans, you plan to depart after 5pm if possible.

ARTIFICIAL INTELLIGENCE SOCIAL NETWORK PROJECT

The goal of the Artificial Intelligence Social Network PROJECT is to make all the material related to the IJCAI conferences (papers, slides, presentations, ...) more readily available to the Artificial Intelligence Community. The first steps in this project are:

1. Make the papers of all the IJCAI conferences (which have been on line on the IJCAI site since IJCAI 2005 in Hyderabad) more easily available, and searchable via high quality metadata and a smarter search.

2. Make the public data of the IJCAI events (and, in particular of IJCAI 2011 in Barcelona) more easily available to the Artificial Intelligence community, during and after the conference itself. These data include all the scientific material namely, as from above, papers, slides, presentation, but also information about the organization of the conference (sessions, talks) and about the participants (only those who explicitly agree to be listed as such on the site).

This is only a first experiment. And these are very first steps. If successful, we plan to iterate this experiment also for the future IJCAI editions and possibly for other interested Artificial Intelligence conferences.

The Artificial Intelligence Social Network project is sponsored and partially supported by the Artificial Intelligence Journal and the IJCAI Organization, and it is carried out by the Knowdive Group under the direction of Fausto Giunchiglia.

When registering don't forget to tick the appropriate box to become part of the Artificial Intelligence social network.

(FREE) THINGS NOT TO MISS

FREE Tutorials
FREE banquet at Poble Espanyol included in the registration fee
FREE raffle of an iPad and other goodies, plus drinks after the final talk on Friday 22nd (Closing Event)
UNESCO World Heritage site at the opening reception
TWO keynote talks
SIX invited talks
Large Track of Best Papers from Sister Conferences

PARTICIPANT REGISTRATION FOR IJCAI-11

Onsite registration will be located from Saturday 16 to Monday 18 at the cloister of the Faculty of Mathematics of the University of Barcelona and from Tuesday 19 to Friday 22 at the Entrance Hall of the CCIB. All attendees must pick up their registration packets for admittance to programs.

FOR REGISTRATION, PLEASE REGISTER ONLINE AT

<http://ijcai-11.iiia.csic.es/registration.php>

REGISTRATIONS WILL BE ACCEPTED IN EUROS ONLY

Early registration finishes on May 17, 2011 (11:59PM, UTC-12)

Late registration finishes on June 21, 2011 (11:59PM, UTC-12)

FIRST STEP for registering is selecting the corresponding fee: Delegate or Student for Conference participants or Only Doctoral Consortium, Only Workshop, Only Tutorial if attending only the Pre-Program. Remember selecting “Accompanying person” if necessary.

SECOND STEP is reserving the desired Workshops and/or Tutorials and in case of Conference participants indicating attendance to the social events included in the registration fee and reserving extra tickets for accompanying guests.

THIRD STEP is detailing personal details and asking for invitation letter if necessary.

THE FINAL STEP is revising the summary of registration details and selecting payment method. Registration confirmation will be sent once Grupo Pacífico has received the payment.

For further information or assistance, contact the IJCAI Technical Secretariat by e-mail: ijcai2011@pacifico-meetings.com or telephone: +34 932 388 777.

The Conference Organization offers a number of [tours](#).



Photo by Enric Plaza

REGISTRATION INFORMATION FOR ACCOMPANYING GUESTS

All participants to the IJCAI 2011 Conference may register an accompanying guest. Accompanying guests must be registered online when processing the participant registration, selecting the corresponding participant registration fee (“Delegate” or “Student”) and marking the checkbox “Accompanying person”.

If accompanying guests want to attend the Social Events, tickets must be bought during the registration process (Opening: 60 euros; Banquet: 70 euros).

PAYMENT

If online credit card payment fails, please ask for a Credit Card Authorisation Form to the IJCAI Technical Secretariat by e-mail: ijcai2011@pacifico-meetings.com or telephone: +34 932 388 777.

For wire transfer payments, the bank details are the following:

- Account holder: Viajes Pacífico, S.A.
- Account number: 00815084080001150225
- SWIFT number: BSAB ESBB
- IBAN number: ES4200815084080001150225
- Payment reference: IJCAI 2011 + Name of registered person / Invoice number.

Check Terms & Conditions under <http://ijcai-11.iiia.csic.es/program/terms>

IJCAI-11 FEE

Early registration finishes on May 17, 2011 (11:59PM, UTC-12)

Late registration finishes on June 21, 2011 (11:59PM, UTC-12)

CONFERENCE FEE (INCLUDING CONF. DINNER)

GENERAL	
Early	650,00 euros
Late	755,00 euros
On Site	910,00 euros
STUDENTS	
Early - Student	330,00 euros
Late - Student	380,00 euros
On Site - Student	440,00 euros

TUTORIAL FEE

GENERAL	
Early	0,00 euros
Late	0,00 euros
On Site	0,00 euros
STUDENTS	
Early - Student	0,00 euros
Late - Student	0,00 euros
On Site - Student	0,00 euros
TUTORIAL ONLY	
General	
Half day	200,00 euros
1 day	305,00 euros
2 days	457,50 euros
3 days	610,00 euros
STUDENT	
Half day	105,00 euros
1 day	160,00 euros
2 days	240,00 euros
3 days	320,00 euros

WORKSHOP FEE

GENERAL	
Early	
1 day	170,00 euros
2 days	255,00 euros
3 days	340,00 euros
Late	
1 day	200,00 euros
2 days	300,00 euros
3 days	400,00 euros
On Site	
1 day	230,00 euros
2 days	345,00 euros
3 days	460,00 euros
STUDENTS	
Early	
1 day	85,00 euros
2 days	127,50 euros
3 days	170,00 euros
Late	
1 day	95,00 euros
2 days	142,50 euros
3 days	190,00 euros
On Site	
1 day	115,00 euros
2 days	172,50 euros
3 days	230,00 euros
WORKSHOP ONLY	
General	
1 day	305,00 euros
2 days	457,50 euros
3 days	610,00 euros
Student	
1 day	160,00 euros
2 days	240,00 euros
3 days	320,00 euros

DOCTORAL CONSORTIUM FEE

STUDENTS	85,00 euros
DOCTORAL CONSORTIUM ONLY	160,00 euros

ACCOMMODATION

Choosing a Hotel

Barcelona is a very tourist friendly city and has an ample availability of different types of accommodation. There are more than 50,000 rooms in hundreds of hotels. Many Internet booking engines will find for you good offers at affordable prices. You can choose your hotel well in advance to get good deals or wait for last minute offers. Sometimes the latter option gives good results. The next question is where to stay within the city. Take into account that Barcelona has a very good transport system with a very efficient metro network. Both conference sites are 25 minutes apart by metro and both have a metro station just two minutes away walking distance. This means that you can select a hotel near any of the sites and use it for the whole week. But you can also choose a hotel almost anywhere in the city (there are many beautiful areas in the old town or by the sea) and then spend 20 minutes by metro to attend the conference sessions, workshops and tutorials.

We have reached a special discount with two hotels (Princess and Zero) that are located next to the IJCAI-11's main venue, the Conference Centre. This is a modern area, near the beach with many restaurants and shops. It is not in the historical centre that is 20 minutes away by metro. Here you have information about them and on how to book.

Travel times by public transportation from the hotels to each of the IJCAI-11 venues –to the University of Barcelona (UB) for workshops and tutorials, and to the Conference Centre (CCIB) for the main conference – are indicated in square brackets: [to UB / to CCIB].

Hotels by the conference centre

HOTEL BARCELONA PRINCESS** [30 min / 2 min]**
Avinguda Diagonal, 1
08019 Barcelona
T. (+34) 933 56 10 00
www.hotelbarcelonaprincess.com

IJCAI attendees will receive a 10% discount. To book a room with this special discount please contact Maria Romeo or Laura Millor:
Telephone: (+34) 93 356 10 00
E-Mail: bcn.reservas@princess-hotels.com

The hotel is located at number 1 of the famous Av. Diagonal, opposite to the Centre de Convencions Internacional de Barcelona (Conference Centre), main venue of IJCAI.

The hotel has 364 rooms, some with extraordinary sea views. All rooms have been designed in a modern style and are an example of vanguard and innovation, not forgetting their comfort. Free ADSL is available in all rooms and free WIFI in common areas.

Among the hotel's facilities, there are 2 bars and 2 restaurants; gymnasium, sauna, jacuzzi and 2 swimming-pools. If requested, the hotel organizes transfer from and to the airport.

HOTEL DIAGONAL ZERO** [30 min / 2 min]**
Plaça de Llevant, s/n
08019, Barcelona
T. (+34) 935 078 000
www.hoteldiagonalzero.com

IJCAI attendees will receive a 10% discount. To book a room with this special discount please contact Kenia Acosta or Laura Alcavde.
Telephone: (+34) 93 507 80 00
E-Mail:
Kenia Acosta: reservazero@sbgrup.com
Laura Alcavde: convencioneszero@sbgrup.com

The Hotel Diagonal Zero is a new hotel, opposite to the Centre de Convencions Internacional de Barcelona (Conference Centre), venue of the IJCAI Congress.

The hotel has 262 rooms adapted to all needs and equipped with the latest technology: connectors for I-Pod, MP3 and PC, free Wifi and ADSL.

Among the hotel's facilities there is a panoramic swimming pool and solarium, a Spa & Fitness Center, a Restaurant, a Food Boutique and a Cocktail & Lobby Bar.

If required, the hotel offers the service of guide and personal shopping assistant in the city of Barcelona.

HOTEL AC BARCELONA FORUM** [30 min / 2 min]**
Passeig de Taulat, 278
08019, Barcelona
T. (+34) 934 898 200
http://www.ac-hotels.com/171-AC_BARCELONA_FORUM.htm?gclid=CMzvt66KuaUCFYpA4wodwEWWKA

The **Hotel AC Barcelona Forum** is located next to the Centre de Convencions Internacional de Barcelona (Conference Centre), venue of the IJCAI Congress.

This is a urban hotel and has 368 rooms equipped with all facilities and services characteristic of the AC Hotels. Free Wifi is available in all common areas. Wifi is also available in the rooms (at cost).

This hotel offers a wide variety of services: a fitness center, Turkish bath, spa, sauna, 24h restaurant and an outdoor terrace with an outside swimming-pool located on the top of the hotel, that offers a superb view of Barcelona.

HOTEL HILTON DIAGONAL MAR BARCELONA** [30 min / 5 min]**
Passeig de Taulat, 262-264
08019, Barcelona
T. (+34) 935 070 707
diagonalmarbarcelona@hilton.com
www.diagonalmarbarcelona.hilton.com

The Hotel Hilton Diagonal Mar Barcelona is located opposite the Centre de Convencions Internacional de Barcelona (Conference Centre), venue of the IJCAI Congress.

Wifi connection is available in all common areas and rooms (ask for a price list at Reception).

Between the hotel's facilities there is the Brisa Pool Bar & Terrace, the Indigo Restaurant & Terrace, the Pistaccio Lobby Bar, a fitness room with solarium and an outdoor pool.

Hotels by the city centre

HOTEL CATALONIA RAMBLAS** [5 min / 30 min]**
Pelai, 28
08001 Barcelona
T. (+34) 93 316 84 00

http://www.hoteles-catalonia.com/es/nuestros_hoteles/europa/espanya/catalunya/barcelona/hotel_catalonia_ramblas/

IJCAI delegates will have a special price per night including breakfast:
- Double for Single Use room: €130 (VAT included)
- Double room: €150 (VAT Included)
E-Mail: congresos.incentivos2@hoteles-catalonia.es

For reservations, send the IJCAI 2011 - Catalonia Reservation Form available at http://ijcai-11.iiia.csic.es/files/attending/accommodation/central_hotel_booking.pdf to the contact e-mail, selecting the Hotel Catalonia Ramblas.

The Hotel Catalonia Ramblas is located in the historical and commercial centre of Barcelona, right next to Les Rambles and Plaça Catalunya. It is an emblematic building from the beginning of the 20th Century completely refurbished to modern style. Its privileged location allows guests to enjoy the main cultural, commercial and gastronomic options of the city at a walking distance.

To reach the Centre de Convencions Internacional de Barcelona (CCIB), venue of the IJCAI Conference, the Metro Line L4 (Yellow) Station Urquinaona, is located at Plaça d'Urquinaona, 10 minutes walking distance from the hotel.

The hotel's interior courtyard is an authentic urban oasis with a garden terrace, swimming pool, chill out area and solarium, and in summer, the terrace remains open until 01:00 am. The hotel has the Pelai Restaurant, a Mediterranean cuisine à la carte restaurant and for enjoying free time and relaxing mind and body, the hotel offers a complete Spa with Turkish bath, cyclonic and aromatherapy showers, sauna, jacuzzi, massage cabins and fitness corner.
Free internet is available in all rooms.

HOTEL CATALONIA PLAZA CATALUÑA** [5 min / 30 min]**
Bergara, 11
08002 Barcelona
T. (+34) 93 301 51 51

http://www.hoteles-catalonia.com/es/nuestros_hoteles/europa/espanya/catalunya/barcelona/hotel_catalonia_plaza_catalunya/index.jsp

IJCAI delegates will have a special price per night including breakfast:
- Double for Single Use room: €110 (VAT included)
- Double room: €120 (VAT Included)
E-Mail: congresos.incentivos2@hoteles-catalonia.es

For reservations, send the IJCAI 2011 - Catalonia Reservation Form available at <http://ijcai-11.iiia.csic.es/attending/accommodation> to the contact e-mail, selecting the Hotel Catalonia Plaza Cataluña.

Formerly named Hotel Catalonia Duques de Bergara, the Hotel Catalonia Plaza Cataluña is also located in the historical and commercial centre of Barcelona, right next to Les Rambles and Plaça Catalunya. Built in 1899, it is a modernist-style building. Its privileged location allows guests to enjoy the main cultural, commercial and gastronomic options of the city at a walking distance.

To reach the Centre de Convencions Internacional de Barcelona (CCIB), venue of the IJCAI Conference, the Metro Line L4 (Yellow), Station Urquinaona, is located at Plaça d'Urquinaona, 10 minutes walking distance from the hotel.

In its interesting interior patio, you can take a relaxing swim in the pool or sunbathe and enjoy a refreshing cocktail. Furthermore, the hotel offers a free parking for bicycles for its guests. The hotel has the Ducs Restaurant, a Mediterranean cuisine restaurant and the cafeteria, a typical interior courtyard of the Barcelona Eixample, with a garden terrace. Free internet is available in all rooms.

HOTEL CATALONIA BERNA** [15 min / 30 min]**
Roger de Llúria, 60
08009 Barcelona
T. (+34) 93 272 00 50

http://www.hoteles-catalonia.com/en/our_hotels/europa/spain/catalunya/barcelona/hotel_catalonia_berna/index.jsp

IJCAI delegates will have a special price per night including breakfast:
- Double for Single Use room: €90 (VAT included)
- Double room: €100 (VAT Included)
E-Mail: congresos.incentivos2@hoteles-catalonia.es

For reservations, send the IJCAI 2011 - Catalonia Reservation Form available at <http://ijcai-11.iia.csic.es/attending/accommodation> to the contact e-mail, selecting the Hotel Catalonia Berna.

The Hotel Catalonia Berna is located in the city's historic centre, next to plaça Catalunya and the commercial street Passeig de Gràcia. It is one of the first buildings in the "Eixample" of Barcelona and was designated Historical Monument due to its interesting eclectic classical style.

To reach the Centre de Convencions Internacional de Barcelona (CCIB), venue of the IJCAI Conference, the Metro Line L4 (Yellow), Station Girona, is right next to the hotel.

The hotel has the well-known restaurant Les Finestres de Llària, Mediterranean cuisine with rice specialities (booking is required). Free internet is available in all rooms.

HOTEL CATALONIA PORT* [20 min / 30 min]**

Ample, 1
08002 Barcelona
T. (+34) 93 342 42 44

http://www.hoteles-catalonia.com/en/our_hotels/europa/spain/catalunya/barcelona/hotel_catalonia_port/index.jsp

IJCAI delegates will have a special price per night including breakfast:
- Double for Single Use room: €90 (VAT included)
- Double room: €100 (VAT Included)
E-Mail: congresos.incentivos2@hoteles-catalonia.es

For reservations, send the IJCAI 2011 - Catalonia Reservation Form available at <http://ijcai-11.iia.csic.es/attending/accommodation> to the contact e-mail, selecting the Hotel Catalonia Port.

The Hotel Catalonia Port is located in the Gothic Quarter, next to Les Rambles, the Port Vell and the Maremagnum Shopping Centre. Its location allows guests to experience the hustle and bustle of the heath of Barcelona.

To reach the Centre de Convencions Internacional de Barcelona (CCIB), venue of the IJCAI Conference, the Metro Line L4 (Yellow), Station Via Laietana and Station Barceloneta, are both located at 10 minutes walking distance from the hotel.

The hotel has a minimalist modern style and offers a charming hotel patio with a small solarium made of wook and a swimming pool. The hotel has the restaurant El Racó del Port, with its Mediterranean gastronomy based on a large seasonal menu and its recommendations on rice and fish (booking required). Free internet is available in all rooms.

HOTEL CATALONIA BORN* [15 min / 30 min]**

Rec Comtal, 16-18
08003 Barcelona
T. +34 93 268 86 00

http://www.hoteles-catalonia.com/es/nuestros_hoteles/europa/espanya/catalunya/barcelona/hotel_catalonia_princesa/indexOLD.jsp

IJCAI delegates will have a special price per night including breakfast:
- Double for Single Use room: €70 (VAT included)
- Double room: €80 (VAT Included)
E-Mail: congresos.incentivos2-at-hoteles-catalonia.es

For reservations, send the IJCAI 2011 - Catalonia Reservation Form available at <http://ijcai-11.iia.csic.es/attending/accommodation> to the contact e-mail, selecting the Hotel Catalonia Born.

Formerly named Hotel Catalonia Princesa, the Hotel Catalonia Born is located in the heart of the Born Quarter, famous for its artistic, lively atmosphere, in a fully refurbished charismatic building from the 19th Century.

To reach the Centre de Convencions Internacional de Barcelona (CCIB), venue of the IJCAI Conference, the Metro Line L4 (Yellow), Station Urquinaona, is located at Plaça d'Urquinaona, 10 minutes walking from the hotel.

The hotel offers a snack bar in a lively young atmosphere. Warm and welcoming, the rooms are designed to make you feel at home.
Free internet is available in all rooms.

Budget Accommodation at Student Residences

Students attending IJCAI-11 and looking for reasonably-priced accommodation in Barcelona may want to check for availability at the following student residences. All of them offer rooms that during summer can be booked for several days or for the entire week.
Prices vary greatly depending on the kind of room and services provided (single, double, triple, quadruple, dorms, with or without kitchen, private or shared bathroom, with or without air conditioning, with or without breakfast, booking per day or week, etc.).
As an approximate guide, we have tagged the residences by the daily price (with taxes) of a single room, including breakfast, as follows: € (below 30 euros), €€ (between 30 and 40 euros), €€€ (between 40 and 50 euros), €€€€ (between 50 and 60 euros), €€€€€ (above 60 euros), ?? (price currently unavailable).

ÀGORA BCN (€€€€) [30 min / 50 min]

Castanyers, 21 · 08035 Barcelona
Tel. (+34) 931 669 000
agorabcn@cett.es
www.agorabcn.cat

BARCELONARESIDENCIAS (€€) [20 min / 30 min]

Sardenya, 326-328 · 08025 Barcelona
Tel. (+34) 934 367 739
info@barcelonaresidencias.com
www.barcelonaresidencias.com

BCN4STUDENTS (€€) [15 min / 30 min]

– Casp, 39 · 08010 Barcelona
– Casp, 78 · 08010 Barcelona
Tel: (+34) 932 318 893
info@bcn4students.net
www.bcn4students.net

COL·LEGI MAJOR SANT JORDI (??) [25 min / 60 min]

Ricardo Zamora 4/8 · 08017 Barcelona
Tel. (+34) 932 016 600
cmsjordi@cmsantjordi.com
www.cmsantjordi.com

ERASMUS GRÀCIA (??) [20 min / 40 min]

Torrent de l'Olla, 212-214 · 08012 Barcelona
Tel. (+34) 934 151 203
info@residenciaerasmusgracia.com
www.residenciaerasmusgracia.com

MELONDISTRICT (€€€€)

Paral·lel, 101 · 08004 Barcelona [20 min / 40 min]
Sancho de Ávila, 22 · 08018 Barcelona [15 min / 20 min]
Tel. (+34) 932 178 812
info@melondistrict.com / www.melondistrict.com

NIKBOR (€€) [20 min / 35 min]

Passeig de Gràcia, 114, 4t. · 08008 Barcelona
Tel. (+34) 932 172 700
nikbor@nikbor.com / www.nikbor.com

NURIARESIDENCIA (€) [20 min / 35 min]

Roger de Llúria, 147, 1r. · 08037 Barcelona
Tel. (+34) 932 171 322
nuriaresidencia@nuriaresidencia.cat
www.nuriaresidencia.cat

ONIX (€€€€€) [15 min / 25 min]

Sardenya, 101-137 · 08013 Barcelona
Tel. (+34) 932 666 100
frontdesk@residenciaonix.com
www.residenciaonix.com

RESA

– La Ciutadella · Passeig Pujades, 33-37 · 08018 Barcelona (€€€) [15 min / 25 min]
– Campus del Mar · Passeig Salvat Papasseit, 4 · 08003 Barcelona (€€€€€) [25 min / 25 min]
– Torre Girona · Passeig dels Til·lers, 19 · 08034 Barcelona (€€€) [35 min / 55 min]
– Pere Felip Monlau · Sant Oleguer, 20-22 · 08001 Barcelona (€€) [15 min / 40 min]
– Lesseps · Plaça Lesseps, 12 · 08023 Barcelona (€€€) [20 min / 40 min]
– Investigadors · Hospital, 64 · 08001 Barcelona (€€€€€) [15 min / 40 min]
Tel. (+34) 902 444 447
resa@resa.es / www.resa.es

SAN MARIUS (€€)

– Muntaner, 507, entresòl · 08022 Barcelona [20 min / 60 min]
– Travessera de Gràcia, 22, 2n. · 08021 Barcelona [20 min / 50 min]
– Vallespir, 34 · 08014 Barcelona [20 min / 40 min]

Tel. (+34) 607 927 937
info@sanmarius.com / www.sanmarius.com

SARRIÀ (??) [30 min / 70 min]

Carrer Esports, 1-7 · 08017 Barcelona
Tel. (+34) 932 065 540
campus@residenciasarria.com
www.residenciasarria.com

TEMPLE (??) [20 min / 45 min]

Joan Güell, 68-88 · 08028 Barcelona
Tel. (+34) 934 094 027
temple@residenciatemple.com
www.residenciatemple.com

IJCAI-11 TRAVEL GRANTS PROGRAM

The International Joint Conferences on Artificial Intelligence (IJCAI) Organization, in collaboration with the Artificial Intelligence Journal, is pleased to announce the continuation of its Travel Grants Program for students, junior scientists and scientists attending IJCAI-11 to be held in Barcelona, Catalonia, Spain, during July 16-22, 2011. The IJCAI-11 Travel Grants Program is sponsored in full by the IJCAI Organization and its Artificial Intelligence Journal (AIJ) Division.

Application Procedure

Due to limited availability of funds for the IJCAI Travel Grants Program, applicants, especially students, should first approach their local Artificial Intelligence society for support before applying to IJCAI. Applicants should submit the IJCAI-11 Travel Grant Application Form (and accompanying documents) via email attachment to ijcai-11-grants@ijcai.org, no later than April 7, 2011 midnight CET. A decision will be sent by April 21, 2011.

Travel Grants Application Form is available [here](#)

In addition to contact information, the application should include:

- status of the applicant (student, junior faculty, etc.) with evidence of existing interest and expertise in AI
- type of planned participation in the IJCAI-11 program (accepted technical session, workshop paper, etc.)
- an estimate of attendance costs
- the results of approaching the local Artificial Intelligence Society for support
- whether any other sources of support are available to the applicant
- a case for support that includes reasons why IJCAI should make the grant to the applicant, and
- a letter of support (for students only) from the applicant's advisor/head of department.

A post-conference report and receipts totaling the grant amount will be required after the conference in order to receive the grant. In the event that travel grant applications exceed available funds, preference will be given to students who have an accepted technical paper, and then to students who are actively participating in the conference in some way.

If electronic transfer of materials is not possible, please send hard copy to:

Vesna Sabljakovic-Fritz IJCAI Executive Secretary Vienna University of Technology Institute of Computer Languages E 185.2 Favoritenstr. 9-11 A-1040 Vienna Austria

IMPORTANT NOTE

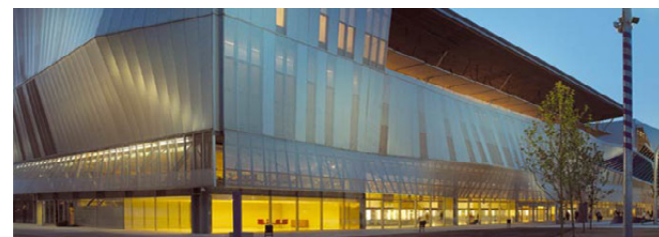
Please allow 24 hours for application receipt confirmation from the IJCAI. If you do not receive the receipt confirmation, please contact IJCAI Executive Secretary at: e-s@ijcai.org or call +43-1-6991-180-8202.

GENERAL INFORMATION

Venues

<http://ijcai-11.iia.csic.es/attending/venues>

Main Conference venue



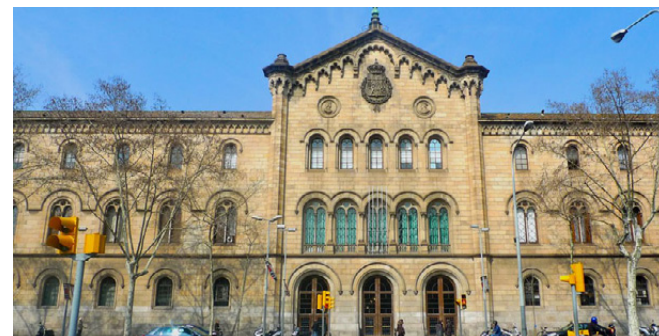
IJCAI 2011, the 22nd International Joint Conference on Artificial Intelligence will take place at the **Conference Centre** at Parc del Forum in Barcelona.

The Barcelona International Convention Centre (CCIB)-Conference Centre began with the 2004 Universal Forum of Cultures and its aim is to continue with the same values of dialogue, meeting and exchange that the city of Barcelona offered during that event.

The Conference Centre is formed by two buildings of great architectural value: the Convention Centre designed by the architect José Luís Mateo and the Forum Building by the architect Herzog & De Meuron. The buildings are joined by an underground walkway for maximum interaction between the meeting spaces and the auditorium. It has a total area of over 100.000 sqm.

 Subway lines: L4; Station El Maresme-Fòrum
Bus lines: 7, 36, 41, 43, 141

Workshops venue



Workshops will take place at the **Universitat de Barcelona**

The Universitat de Barcelona (UB) is a public university located in the city center of Barcelona.

The UB was founded in 1450 under the royal prerogative granted by Alfons V of Aragon, although previously existed the Estudi General of Barcelona under the patronage of the City Hall whose foundation can be traced back to the end of the fourteenth century.

Unfortunately, the University of Barcelona was closed down in 1714 by the Bourbon dynasty after the War of the Spanish Succession in which the Catalans fought for the Habsburg dynasty.

The University was restored in 1837 during the liberal monarchic period under the Queen Isabel II. On its return the University was housed initially in several existing buildings: the Convent of Carme, the Royal Academy of Medicine and the Hospital of Santa Creu i Sant Pau. The inadequate nature of these premises soon gave rise to the need to construct a larger home for the University, and in 1863 work began on Elies Rogent's splendid new building, though it would not be fully completed until 1882. The construction of UB was to have major repercussions for the city, since it was one of the first buildings to be raised outside the ancient city walls.

This historic building is the one hosting the workshops of the IJCAI-11 conference. The architectural work and the quality of the building's works of art meant that the historic building was declared a national monument of historic and artistic interest in 1970. As of today, the Universitat de Barcelona has expanded to 7 campuses, offering 75 undergraduate programs, 353 graduate programs and 96 doctorate programs to over 90,644 students.

 Subway lines: L1 and L2; Station: Unviuersitat
Bus lines: AEROBUS, 9, 14, 24, 41, 50, 54, 56, 58, 59, 66, 91, 141 L94, L9

IJCAI-11 Opening & Reception



The IJCAI-11 Opening will take place Monday evening (July 18, 2011) at the **Palau de la Música Catalana**. The Opening event will take place at the Concert Hall and will be followed by a Reception at the Foyer.

El Palau de la Música Catalana

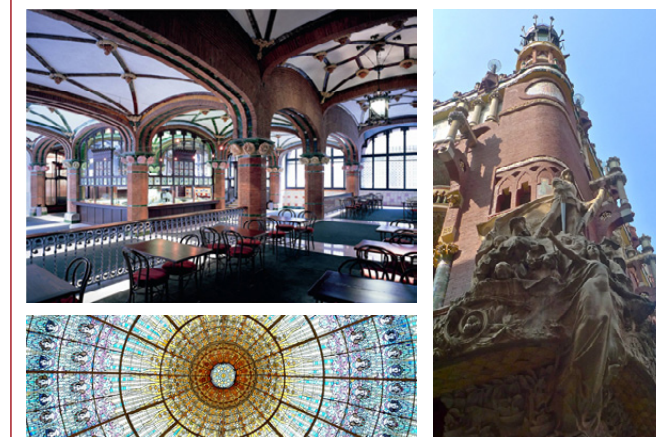
The Palau de la Música Catalana (Palace of the Catalan Music) is a concert hall in Barcelona, was designed by the architect Lluís Domènech i Montaner, one of the masters of the Modernisme (Catalan style of Art Noveau). The Palau was built between 1905 and 1908 by popular subscription for the Orfeó Català, a choral society founded in 1891 that was a leading force in the Catalan cultural movement that came to be known as the Renaixença (Catalan Rebirth).

Today, more than half a million people a year attend musical performances in the Palau that range from symphonic and chamber music to jazz and cançó (Catalan song).

The Palau de la Música Catalana has been de largest concert hall in Barcelona until in 1999 l'Auditori (1999) was inaugurated. During this long period the OBC (Barcelona Symphonic Orchestra) usually performed here, as well as many great orchestras and conductors.

The concert hall of the Palau, which seats about 2,200 people, is the only auditorium in Europe that is illuminated during daylight hours entirely by natural light. The walls on two sides consist primarily of stained-glass panes set in magnificent arches, and overhead is an enormous skylight of stained glass designed by Antoni Rigalt whose centerpiece is an inverted dome in shades of gold surrounded by blue that suggests the sun and the sky.

 Subway Lines: L1, L3, L4; Stations: Plaça Catalunya or Urquinaona



IJCAI-11 Banquet



The IJCAI-11 Banquet will take place Wednesday evening (July 20, 2011) at the **Poble Espanyol**.

Poble Espanyol

The Poble Espanyol (Spanish Village) of Barcelona is an outdoor open-air architectural museum located on the mountain of Montjuïc. The museum, with an area of 42,000 m², was conceived by architect Josep Puig i Cadafalch as a town with buildings comprising a variety architectural styles from different times and territories: from Andalusia to Catalonia and from Pre-Romanesque motifs to XVIII Century houses.

The design was made by two architects, Ramon Reventós and Francesc Folguera, and two artists Xavier Nogués and Miquel Utrillo, after a travel around Spain collecting hundreds of photos, sketches and notes. The original idea (dubbed “Iberona”) was to represent and integrate in a harmonic synthesis the main features of townships in the Iberian peninsula, by reproducing 117 buildings, streets and squares.

The Poble Espanyol was created for the Barcelona International Exhibition that was held by the city in 1929. In the context of a Military Dictatorship in Spain, Iberona (as other aspects of the International Exhibition) was snatched away of Barcelona City by the then Dictator Primo the Ribera, changed the original plan to suit his political agenda, and it was renamed “Spanish Town,” a name that has survived until today.

Destined to demolition after 6 months, the Poble Espanyol has survived as an habitable village, complete with a colonnaded Main Square, hall, streets, manor houses, a fountain, a church and a monastery; together with craftsmen and traders is today a living village.

 *Subway Lines: L1 and L3; Station: Espanya*
Bus Lines: 13, 50, 61,193

Discovering Barcelona

Barcelona, situated on a plain rising to a range of hills, is a cosmopolitan city and one of the Mediterranean's busiest ports, and has around 1.6 million residents while its metropolitan area totals 3.2 million residents. With a history of 2,000 years, Barcelona has been Roman colony, capital of Catalonia, medieval trade powerhouse, focus of the southernmost Industrial Revolution in Europe, and home of social and artistic revolutionary movements. Today is renowned for its balanced way of life between hard work and the joy of life. A high concentration of hi-tech and biomedical concerns share the city with busy and countless restaurants, bars, cafés, clubs and beach stalls.

The notable architecture allows the visitor to course a path starting with the Roman town and the medieval trade center that was Barcelona, with the Old Town constituting one of the largest sites of Gothic architecture in

Europe, to the Modernist-style buildings, including the recently inaugurated Sagrada Família Basilica by Antoni Gaudí, to the contemporary towers (towers).

Art and museums are also a highlight for Barcelona visitors, singularly with the National Museum of Catalan Art, the Picasso Museum, the City History Museum, the Contemporary Art Museum, and the museum of the Joan Miró Foundation. Last but not least, the distinctive and lively neighborhoods (Barceloneta, Old Town, Eixample, Gràcia, Vila Olímpica, Poble Nou, Sarrià) will reward the more outgoing visitor.

Looking for information about Barcelona and Catalonia?

Take a look into the following official websites:
[About Barcelona](#)
[About Catalonia](#)

In the following links you will find the official tourism information:
[Barcelona Tourism](#)
[Barcelona Tourism II](#)

Some artistic pictures with the city of Barcelona as the common element. This collection is called "views of Barcelona"
[2005](#)
[2006](#)
[2007](#)

Non official useful information
[Time out Barcelona](#)
[Butxaca \(In catalan\)](#)

Mobile apps. There are quite some mobile apps for Barcelona: tourism ([Lonely Planet](#), [Timeout](#), [Tripwolf](#), etc), public transport ([TMB Virtual](#), [Bus Turistic Virtual](#), [BCNbus](#), [Metro Barcelona](#), [Barcelona Subway](#)), transit information ([Trànsit](#)), taxi ([Catalunya Taxi](#)), bicycles, etc. These apps are given as examples not recommendations, please checkout mobile apps for your interests since they keep growing in numbers.

Reading. Reading beforehand is the best way to enjoy a visit to any city, and specially Barcelona. Two foreign authors that lived in Barcelona are art critic Robert Hughes and novelist Colm Tóibín. If you are not fond of guide books, check out these books:
1. Barcelona, 1992, by Robert Hughes – probably the most well known book about Barcelona. Hughes provides an in-depth discussion of the history of Catalonia's art and culture: recommended for serious scholars.
2. Barcelona: the Great Enchantress, 2004, by Robert Hughes – a more light read, covers the same topics as the older book in a more abbreviated way: recommended for light reading.
3. Homage to Barcelona, 2001, by Colm Tóibín – this is an engaging book written by a literary novelist. The book is

not a guide, it can be fairly described as the portrait of a city: recommended for literati.
4. Going Native in Catalonia, 2008, by Simon Harris – for those who wish they could stay.
Finally, reading about Catalan cuisine will enhance anyone's enjoyment of Barcelona. Some significant books are Colman Andrews' Catalan Cuisine (more than a cookbook, is a guide to the history, culture, and cuisine of Catalonia); Joan Santanach's book on The Book of Sent Soví, one of the oldest cookbooks in Europe that (written in Catalan, Llibre de Sent Soví was published in 1,324) with recipes like *sofregit* or *picada* still in use today; and Montse Palacin's Barcelona Served, an illustrated guide to contemporary Catalan cuisine. Finally, for those of a more wine-oriented persuasion, there is Alan Young's Wine Routes of Penedès and Catalonia.

Security

We don't want to scare people off from coming to Barcelona. Writing about safeguarding your personal safety in Barcelona and how to ensure you are not pick pocketed or robbed may imply that the city is not safe. The city is very safe by all measurable standards. However it's true to say that there is pick pocketing and bag snatching in some of the tourist areas of Barcelona, especially around La Rambla Boulevard and nearby streets.
So many times along La Rambla you see tourists with maps open, looking lost and with their bags unguarded. These tourists will almost certainly be noticed by all the wrong people and become immediate targets. There is no problem to be a tourist, but you are recommended to behave like a savvy tourist. In this way, you will be much, much safer.
Please take these simple precautions to safeguard yourself. We know you may think it will never happen to you. You may even think that "all big cities are the same in this respect". However, we recommend you take some simple precautions to ensure your visit is a smooth one.

Travel

>>>By Air
BARCELONA INTERNATIONAL AIRPORT (EL PRAT AIRPORT)
Barcelona International Airport (BCN), located 10 km. south of the city, is a major transport hub and fields flights from all over Europe and beyond. There are two terminals, T1 and T2, the latter with A, B, and C subdivisions. T1 and T2 are linked by a bus shuttle (every 6 to 8 minutes, travel time 10 minutes). The airport operator is [AENA](#).

–Terminal T1. T1, the large terminal, opened in June 2009 and hosts Spanair and most major international airlines (e.g., SAS, TAP, Air France, BA, AA, KLM, Lufthansa, KLM, Delta, Singapore, Qantas). Check your airline terminal [here](#).

–Terminal T2. T2 specializes in low-cost, domestic and Mediterranean flights. Sectors A, B and C of T2 are all within fairly easy walking distance of each other. T2 B is used by some Spanish carriers (Iberia, Air Europa, Vueling) and their partners. T2 C is smallest and used for all domestic flights, including the Air Shuttle to Madrid. T2 A is used for all other flights except those now departing from the new T1.

–Transfer from the airport
Downtown Barcelona is 18 km away, and transfer can be arranged by taxi, bus, train, and rented car. Taxis and minibuses can be [prebooked online](#), and a taxi to the city center costs normally around €25-30 (plus extra charges for luggage, higher rates apply at night and during weekends and holidays). Renting a car is also available at the airport but we recommend booking beforehand via internet.

A suburban train line ([Rodalies R2](#)) goes half-hourly to Barcelona, depending on the station travel takes 20 minutes (Sants station) or 25 minutes (Passeig de Gràcia station). The R2 airport train station is located next to T2 by section B, with a connecting green colored bus service to T1 (an extra 15 minutes). A single ticket is about 1.45 euros, but we recommend to buy a T-10 ticket (this [ATM](#) Transport Authority ticket costs €8,25 for 10 trips, including all bus, metro, and suburban train transfers inside the Metropolitan Area 1, made within 75 minutes while going in the same direction). Once in Passeig de Gràcia station you can connect to metro [Line 4](#) (Yellow line); nearest station to the CCIB (Conference venue) is Maresme-Forum. [[Rodalies Interactive Map](#)].

Airport bus express: There is an express bus service between Barcelona airport and city center: the [Aerobus A1](#) from/to terminal T1 and the [Aerobus A2](#) from/to terminal T2. Buses depart every 11 minutes, the journey time is 35 minutes (except on rush hours) and costs €5.05 one-way (cash only). After midnight only the NitBus night bus service is available (NitBus N17, between 22.00 and 05.00, arriving at Plaça Catalunya in 40 minutes). Near Plaça Catalunya, the Urquinaona metro station allows access to [Line 4](#) (Yellow line), which leads to Maresme-Forum station (near CCIB).

–Nearby airports
Some low-cost airlines fly to the airports of cities nearby Barcelona, like Girona (100km to the north) or Reus (100km to the south).
Girona Airport: The Barcelona Bus service runs a shuttle bus (1h 10m) from Girona Airport to Estació del Nord (which is walking distance to the Arc de Triomf metro station) in Barcelona and this ties in with various flight times. A one-way ticket costs €12 and a return ticket costs €21.
Reus Airport: the easiest way is the local bus to the Reus train station and there take the train to Barcelona (takes about two and a half hours and costs around €7).

>>>By Road

The land communications are basically designed on the network of motorways, which radiate towards the most important economic areas of the rest of Spain and connect with the French motorway system to the rest of Europe. A 17-7 Motorway from Barcelona to the French Border (163 kms) A 7 Motorway from Barcelona to the rest of Spain (Madrid 621 kms, Valencia 350 kms, Zaragoza 300 kms)

>>>By Train

Barcelona is also an important railway hub, connected favourably with the rest of Spain and Europe. With regard to Spain, Barcelona is connected daily with trains to and from Girona, Tarragona, Lleida and the most important cities in the belt of the catalan capital; and also with other cities of Spain. For more information, please check the [RENFE website](#).

>>>By Sea

Barcelona has become the Mediterranean’s foremost cruise ship harbour, with eight passenger terminals, five for cruise liners and three for ferries. The harbour operates services to the Balearic Islands and the main Mediterranean ports. Ferries depart daily for the Balearic Islands and there is a direct service to the port of Genoa. Barcelona harbour has direct connections and operates regular passenger and vehicle transport services to the Balearic Islands, Genoa, Rome and Algiers-Oran.

Three companies operate between Barcelona and the Balearic Islands : Trasmediterranea, Iscomar and Balearia.

Barcelona is one of the main cruise harbours in the Mediterranean and is establishing its position as the base port for cruise companies. Actually is the 1st European cruise and the 10th World one.

TERMS AND CONDITIONS
(To be accepted at registration time)

REGISTRATION & PAYMENT

- Grupo Pacifico does not accept registrations by phone.
- Registration must be processed throughout the Online Registration Form.
- All payments must be made in Euros (€).
- No confirmation will be sent until GRUPO PACÍFICO has received the full payment.
- All payments must be done by credit card or wire transfer.

BANK DETAILS:

Account holder: Viajes Pacifico, S.A.
Account number: 00815084080001150225
SWIFT number: BSAB ESBB
IBAN number: ES4200815084080001150225
Payment reference: IJCAI 2011 + Name of registered person / Invoice number

CONFIRMATION

Once GRUPO PACÍFICO checks the accepted payments have arrived, the participant will receive the confirmation voucher. Please check carefully this confirmation voucher.

INVOICING

- Invoicing details must be indicated during the online registration process.
- Invoices must be required by e-mail to the Technical Secretariat: ijcai2011@pacifico-meetings.com

CANCELLATION & CHANGES

- All cancellations must be sent to GRUPO PACÍFICO in writing (fax or e-mail).
- Any change of name will be dealt with as a cancellation and a new registration.
- In case of cancellations until June 15th 2011, deposits will be refunded less 50 euros for administrative costs.
- No refund will be made for cancellations received from June 16th 2011 or registered participants who fail to attend.

NOTE: reimbursements of cancelled services will be done from July 25th 2011.

DISCLAIMER

In case of conference cancellation for reasons beyond the control of IJCAI-11 organizers, the liability of the IJCAI-11 organization is limited to the fees already paid by the registrants. IJCAI-11 will not be responsible for any personal inconvenience that may arise.

General Disclaimer for Hotels and other service providers:

In offering Hotel Zero, Hotel Princess, Barcelona Airport, and all other service providers (hereinafter referred to as “Supplier(s)”) for the 22nd International Joint Conference on Artificial Intelligence (IJCAI-11), the IJCAI Organization acts only in the capacity of agent for the Suppliers and has no control over personnel, equipment or operations or providers of accommodations or other services included as part of the IJCAI-11 program. The IJCAI Organization assumes no responsibility for and will not be liable for any personal delay, inconvenience or other damage suffered by conference participants which may arise by reason of (1) any wrongful or negligent acts or omissions on the part of any Supplier or its employees, (2) any defect in or failure of any vehicle, equipment or instrumentality owned, operated or otherwise used by any Supplier, or (3) any wrongful or negligent acts or omissions on the part of any other party not under control, direct or otherwise, of the IJCAI Organization.

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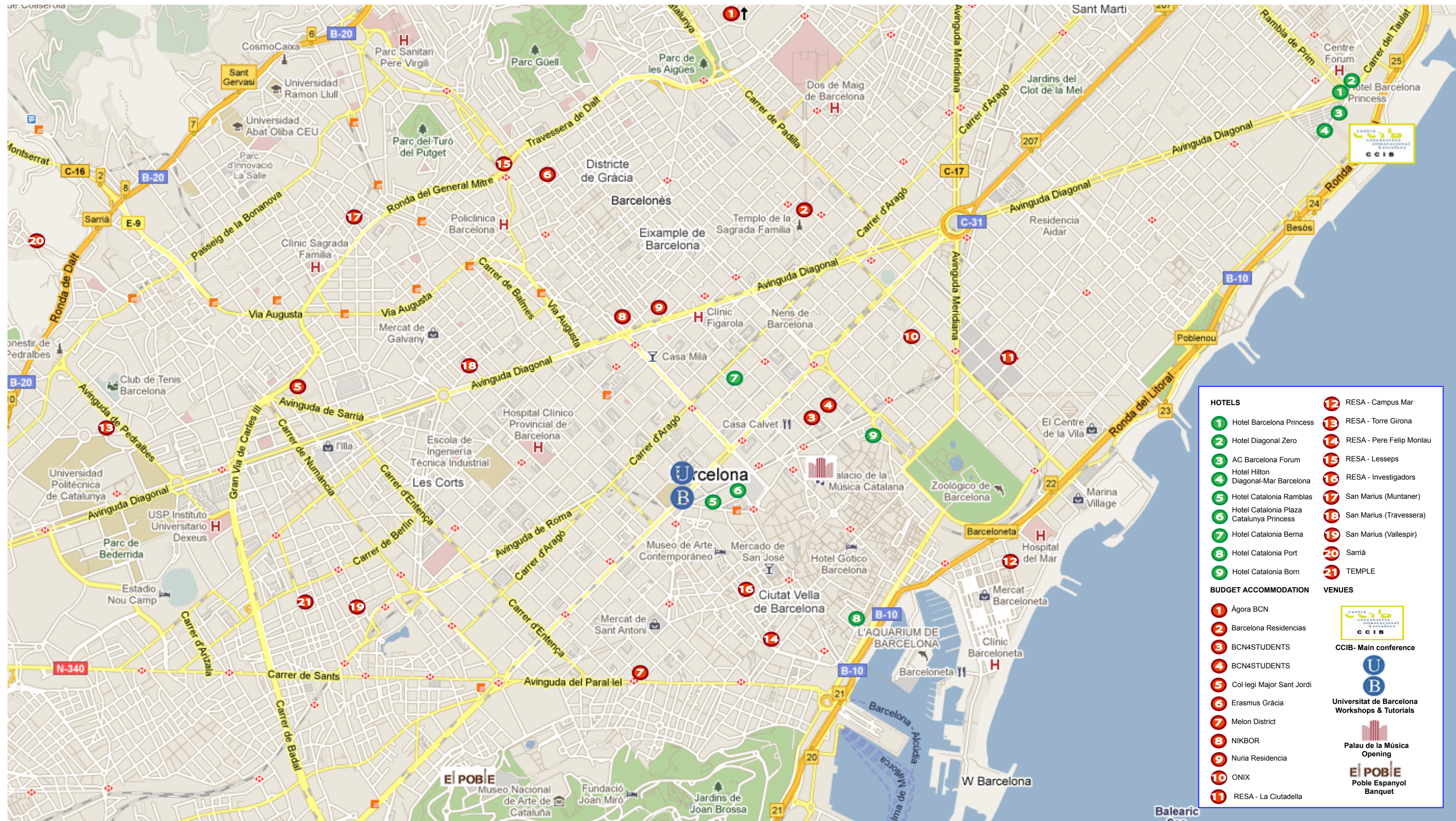
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I am of legal age and have read the foregoing and fully understand the contents thereof.

Disclaimer on data processing:

If consent is given on the registration form, my personal data will be sent to the AISN (AI Social Network) Project Team to become part of conference aid tools being developed for IJCAI11. This information will be deleted unless explicit permission is given by the participants themselves. The participants will be contacted directly to this extent via email. This email will also provide login details which will allow the participants to directly edit, integrate, correct the data which will appear on the website.



**Twenty-second International Joint Conference on Artificial Intelligence
Organized by**

IJCAI



International Joint
Conferences on Artificial Intelligence

ACIA



The Catalan Association for
Artificial Intelligence

AEPIA



Spanish Association for
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