Twenty-second International Joint Conference on Artificial Intelligence

Barcelona, Catalonia (Spain)
July 16 – 22, 2011
Conference Theme: Integrated and Embedded Artificial Intelligence

• Special track at the conference on the theme
• 11 co-located conferences, workshops, and symposia, and a summer school
• Invited track of 49 best papers from sister conferences
IJCAI Conference Locations Since 1969
Conference Frequency

• Growing number of requests to hold IJCAI in other parts of the world
• IJCAI Trustees are considering moving to an annual or 18-month rotation
• We will discuss the issue at the IJCAI Business Meeting on Thursday at 13:00
• Your input is welcome!
In Memoriam

Ray Solomonoff
In Memoriam

David Rumelhart
In Memoriam

Sam Roweis
In Memoriam

David Rumelhart

Ray Solomonoff

Sam Roweis
Local Arrangements Chair

Carles Sierra
Welcome to Barcelona!
Barcelona

- Top European metropolis in quality of life
- 6th most touristic city in the world
- 5th most preferred European city for business
- Large number of innovative centres
- High level of Entrepreneurship
The LAC team
Sponsorship

Special thanks to Pablo Noriega!
Architecture
Creativity of AI researchers
Official welcome

• Professor Andreu Mas-Colell
• Minister of Economy and Knowledge
• Tomorrow at 8:30
Free Things

• Tutorials
• Banquet
• Student reception
• Raffle
• Palau de la Música
• Industry day
• Farewell party
Vice-president of ACIA

Beatriz López
President of AEPIA

Antonio Bahamonde
IJCAI 2011 Sponsors
IJCAI President

Hiroaki Kitano
IJCAI-11 Research Excellence Award

Robert Anthony Kowalski

Thursday, 6:20 pm, Plenary
IJCAI-11 Computer and Thought Award

Vincent Conitzer

Malte Helmert

Tuesday, 6:20 pm, Plenary

Tuesday, 7:05 pm, Plenary
IJCAI-11 Distinguished Service Award
Raymond C. Perrault
JAIR Editor-in-Chief

Shlomo Zilberstein
IJCAI-JAIR Best Paper Prize

2011 Prize

2011 Honorable Mention
Program Chair

Toby Walsh
Keynote talks

Towards a Smarter Web
Wendy Hall
Tu 9am

Designing Online Advertising Markets
Susan Athey
Wed 9am
Invited talks

Rich Probabilistic Models for Image Understanding
Daphne Koller

Sun, Surf & Automation: A Decade of Field Robotics in Australia
Hugh Durrant-Whyte

Homo Heuristicus: Why biased minds make better decisions
Gerd Gigerenzer

Adventures in Scheduling: Some trends in OR
Mike Trick

Open Information Extraction at Web Scale
Oren Etzioni

The Games People Play Revisited
Jonathan Schaeffer
Best Paper track

• 49 talks + posters
  – Best papers from recent sister conferences:
    • AAMAS, ACM Recommender, CHI, COLT, CP, ECML PKDD, ECSQARU, ICAPS, ICCBR, ICLP, ISWC, IUI, JELIA, KDD, KR, LPNMR, RSS, RuleML SAT, SoCS, TARK, UAI and UMAP
  – JAIR 2010 & 2011 best papers
  – ECCAI 2010 thesis award
Technical track

• 1325 submissions from 59 countries
  – 227 talks + posters (17%)
  – 173 posters (13%)
  – Total: 400 papers (30%)

– Detailed statistics Tu 8.30am
Distinguished Papers

• Selected by (subset) of Area Chairs

*Nested Rollout Policy Adaptation for Monte Carlo Tree Search*, Christopher D. Rosin

*On the Decidability of Connectedness Constraints in 2D and 3D Euclidean Spaces*, Roman Kontchakov, Yavor Nenov, Ian Pratt-Hartmann, Michael Zakharyaschev

*Unweighted Coalitional Manipulation under the Borda Rule Is NP-Hard*, Nadja Betzler, Rolf Niedermeier and Gerhard J. Woeginger
Special track on:
Integrated & Embedded AI

• Chair: Qiang Yang
  – 98 submissions
  – 13 talks + posters (13%)
  – 15 posters (15%)
  – Total: 28 papers (28%)
Industry Friday

- Eric Horvitz, Microsoft
- Carlos Domingo, Telefonica
- Samy Bengio, Google
- Francoise Soulie, KXEN
- Marc Torrens, Strands
- David Gondek, IBM
- Ricardo Baeza-Yates, Yahoo!

Thanks to
Nuria Oliver
Industry Day Chair
Video track

- Chair: Peter Stone
- 19 videos
  - Screened in coffee breaks
  - And in Room 111 from Tu to Thurs
- 4 finalists
  - Screened Tu 11.50 in Best Paper track
  - Vote for Best Video
  - Winner announced on Fri @ Farewell
Ramon Llull session

• Catalan philosopher from 13\textsuperscript{th} Century
  – Invented Borda and Condorcet voting
  – Major influence on Leibniz

• Thurs 4-6pm
  – Two keynotes and panel on Llull

• And a book in your registration bag!

Thanks to Carles Sierra
Student participation

• Travel grants
  – AIJ/IJCAI >$100,000 (139 participants, 29 countries)
  – Google $1,800, NSF $45,000

• Student reception
  – Thurs 7.30-8.30

• Doctoral consortium
  – Focus on ethics, all day Monday

Thanks to Maria Gini & Judy Goldsmith
Other events

- Trading agent competition
  - All day Tuesday
- General Game Playing Competition
  - Wed & Thurs
- Panel on *Funding opportunities for international research*
  - Wed 6.15pm
  - Representatives of NSF, EC, AFOSR & NICTA
Social events

- **Banquet**
  - Wed 7.30pm

- **Student reception**
  - Thurs 7.30-8.30pm

- **Farewell event**
  - Fri 4.30-5.30pm
  - iPad and other goodies to raffle
Instructions to authors!

• Talks
  – Arrive *before* the start of your session
  – Introduce yourself to chair
  – Speak for 17 minutes, leave 3 minutes for questions
  – Next speaker starts setting up computer in question time of previous speaker

• Posters
  – Set up before talks or during earlier break
Thanks

• 32 Area Chairs
• 426 Senior PC members
• 1666 PC members
• 4000+ authors
Shortlist for the NICTA Best PC & SPC awards

<table>
<thead>
<tr>
<th>PC</th>
<th>SPC</th>
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<tbody>
<tr>
<td>Birte Glimm</td>
<td>David Aha</td>
</tr>
<tr>
<td>Yevgeny Kazakov</td>
<td>Richard Booth</td>
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<tr>
<td>Mantas Simkus</td>
<td>Patrik Haslum</td>
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Special thanks

• My wife & daughter

For giving me the time to put the Technical Program together
Thank you

Spanish:

Queridos colegas y estudiantes, espero que este evento os sea provechoso

Catalan:

Gràcies per la vostra hospitalitat en aquesta ciutat meravellosa
Up Next

- Casparo, fragments of an Opera
  - Composed by the AI researcher Luc Steels
  - Libretto by neuroscientist Òscar Vilarroya

- Following the opera, there will be food and drinks downstairs

- Please remain seated while we change the stage
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