Twenty-second International Joint Conference on Artificial Intelligence

Barcelona, Catalonia (Spain)
July 16 – 22, 2011

Conference Theme: Integrated and Embedded Artifical 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

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Norge
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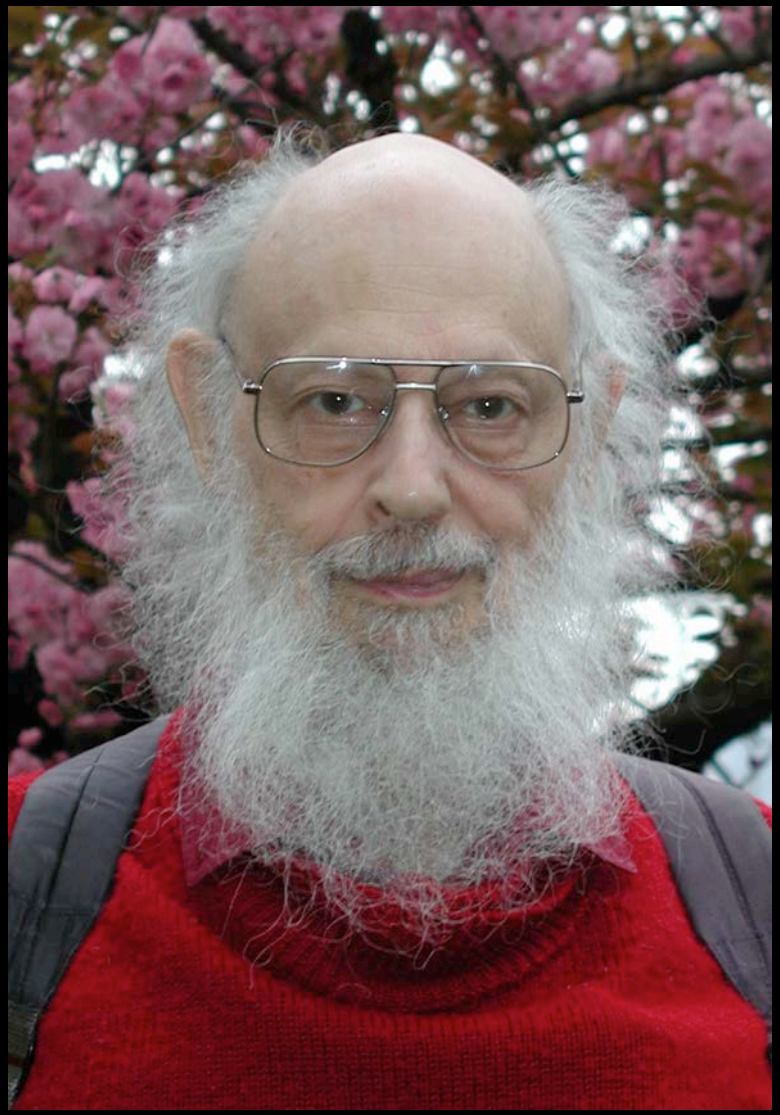
Conference Frequency

- 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!

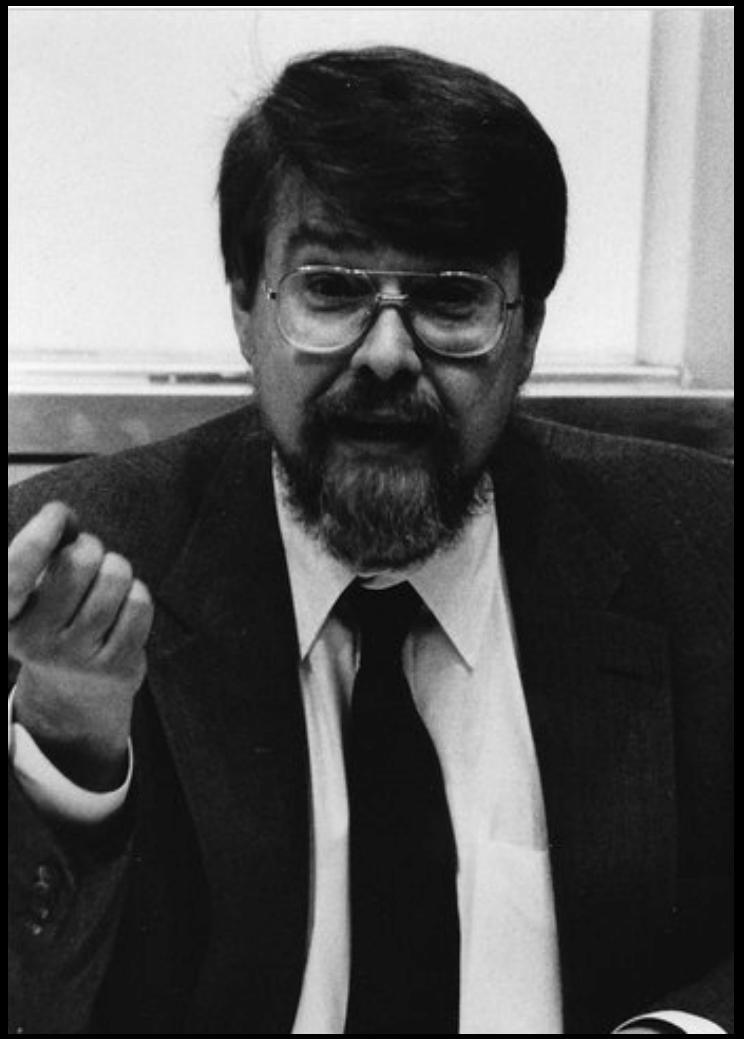
In Memoriam

Ray Solomonoff



In Memoriam

David Rumelhart

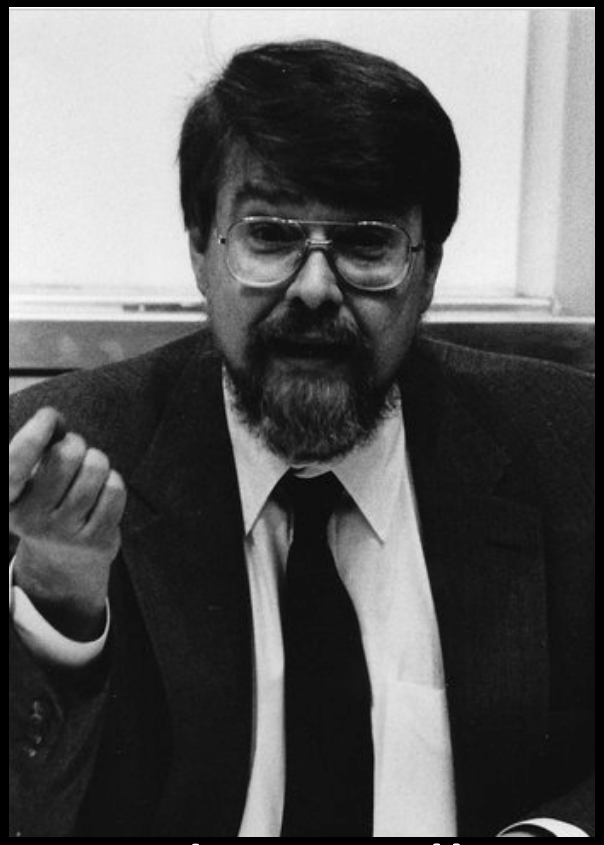


In Memoriam

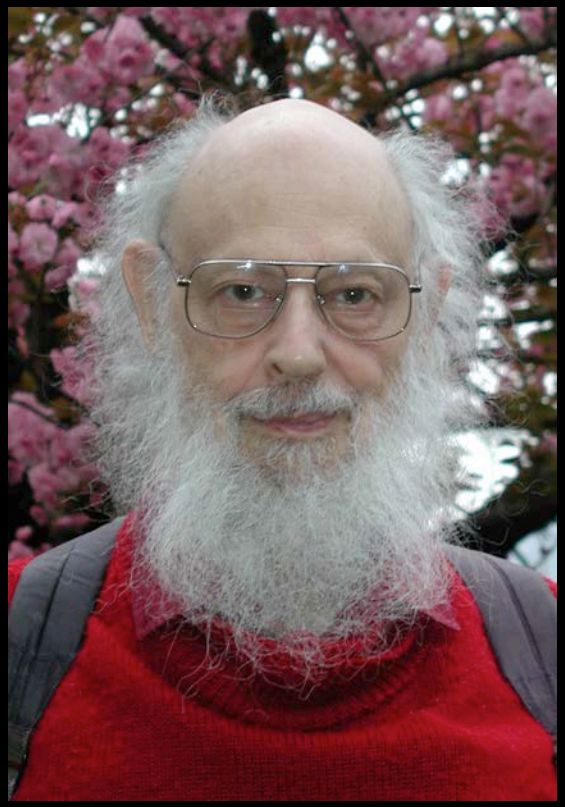
Sam Roweis

IJCAI·11

In Memoriam



David Rumelhart



Ray Solomonoff

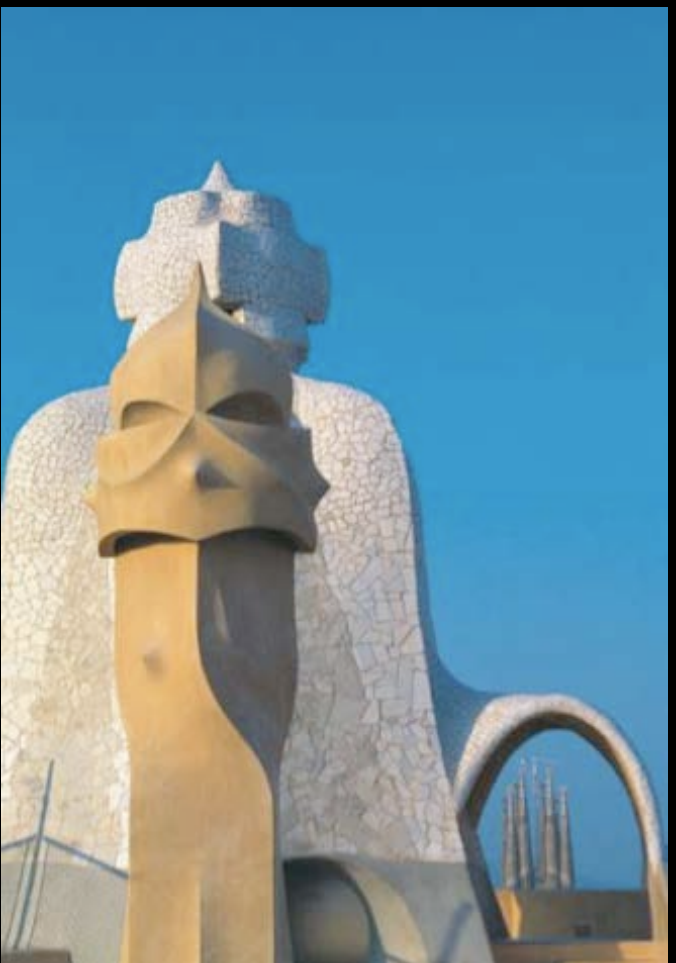
Sam Roweis

Local Arrangements Chair

Carles Sierra

IJCAI·11

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

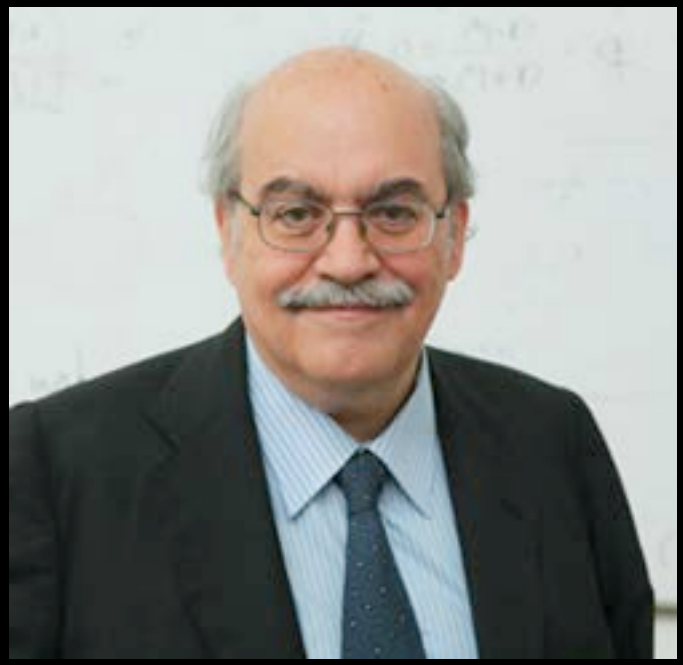
Special thanks to Pablo Noriega!

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

IJCAI 2011 Sponsors

President of AEPIA

Antonio Bahamonde

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Hiroaki Kitano

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IJCAI-11 Research Excellence Award

Robert Anthony Kowalski

Thursday, 6:20 pm, Plenary

IJCAI·11

IJCAI-11 Computer and Thought Award

Vincent Conitzer

Tuesday, 6:20 pm, Plenary

Malte Helmert

Tuesday, 7:05 pm Plenary

IJCAI-11

IJCAI-11 Distinguished Service Award

Raymond C. Perrault

JAIR Editor-in-Chief

Shlomo Zilberstein

IJCAI-JAIR Best Paper Prize

2011 Prize

N. Nisan and A. Ronen (2007) “Computationally Feasible VCG Mechanisms” Volume 29, 19-47

2011 Honorable Mention

A. Fern, S. Yoon and R. Givan (2006) “Approximate Policy Iteration with a Policy Language Bias: Solving Relational Markov Decision Processes”, Volume 25, 75-118.

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

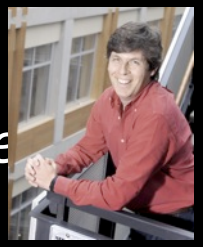
Daphne Koller

Homo Heuristicus:
Why biased minds make better decisions

Gerd Gigerenzer

Open Information Extraction at Web Scale

Oren Etzioni



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

Hugh Durrant-Whyte

Adventures in Scheduling:
Some trends in OR

Mike Trick

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 13th 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

PC

Birte Glimm

Yevgeny Kazakov

Mantas Simkus

SPC

David Aha

Richard Booth

Patrik Haslum

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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