

# Choice Models and Preference Learning

NIPS 2011

## Program committee

Nir Ailon, Israel Institute of Technology  
Edwin Bonilla, NICTA-ANU  
Tiberio Caetano, NICTA - ANU  
François Caron, INRIA  
Jonathan Chung-Kuan Huang, Carnegie Mellon University  
Chris Dance, Xerox Research Centre Europe  
Jo-hannes Fürnkranz, TU Darmstadt  
John Guiver, Microsoft Research Cambridge  
Eyke Hüllermeier, Universität Marburg  
Hang Li, Microsoft Research Asia  
Robert Nowak, University of Wisconsin-Madison  
Filip Radlinski, Microsoft  
Chu Wei, Yahoo! Labs  
Markus Weimer, Yahoo! Labs  
Kai Yu, NEC Labs  
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## Program chairs:

Jean-Marc Andreoli, Xerox Research Centre Europe  
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Martin Szummer, Microsoft Research Cambridge  
Paolo Viappiani, Aalborg University  
Onno Zoeter, Xerox Research Centre Europe



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Haoyan Guo  
Welcome!

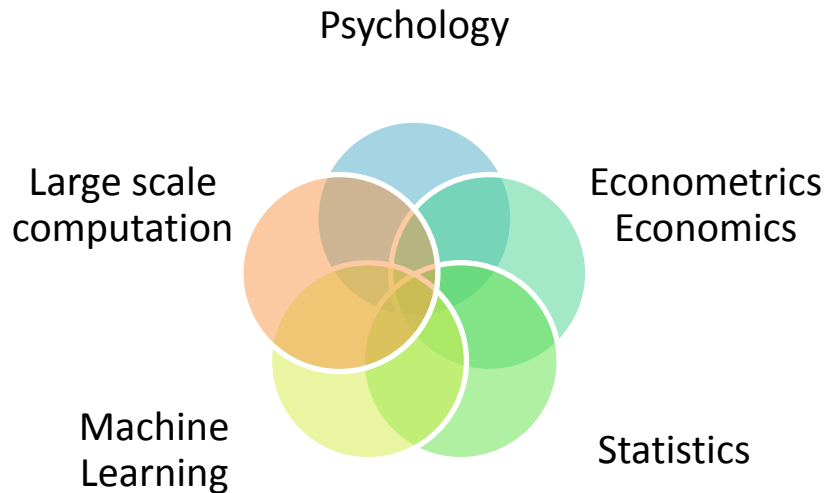


# Choice Models and Preference Learning

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## Why? And why at NIPS?

### Interdisciplinary



### Many applications at NIPS

- Search
- Advertisements
- E-Commerce
- Recommendations

### Unsolved problem

- Models used often too simplistic
- No consensus on behaviour models

### New sources of data available

- On-line, digital, large scale
- Digital, easily accessible laboratories (Mturk)



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## Why does Xerox care?



### Many applications at NIPS

- Search
- Advertisements
- E-Commerce
- Recommendations
- **Transportation?**



### Transportation demand management

- Sensors
- Models of demand
- Control of prices, legislation, etc. to influence demand to reach a particular goal

William Vickrey



# Choice Models and Preference Learning

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## Changes to the schedule since program went to print

9:15-10:00 **Invited talk:** *Towards Preference-Based Reinforcement Learning*, [Johannes Fuernkranz](#)

10:00-10:30 **3-minute pitch** for posters, Authors with poster papers

9:15-10:30 **3-minute pitch** for posters, followed by poster session

18:20-18:50 **Contributed talk:** *Selective Sampling with Almost Optimal Guarantees for Learning to Rank from Pairwise Preferences*, Nir Ailon, Ron Begleiter, Esther Ezra.

## Financial support



All papers and latest schedule available at  
<https://sites.google.com/site/cmplnips11/>

