

NBER-NSF

**The Econometrics of Dynamic Games
A CEME* Conference**

NYU Stern School of Business
44 West 4th Street, Room 1-70

August 10-11, 2012

Conference Organizers:

Han Hong, Stanford University
Rosa Matzkin, UCLA
Whitney Newey, MIT
Ariel Pakes, Harvard University

Conference Assistants:

Emily Gallagher, MIT
Jonathan Robidoux, NYU Stern

Program

August 10, 2012

1:00-1:15 **Introduction**

1:15-2:45 **Econometric Methods**

Ron Gallant: “Bayesian Estimation of a Dynamic Game with Endogenous, Partially Observed, Serially Correlated State”
(with Han Hong and Ahmed Khwaja)

Xiaohong Chen: “Econometric Methods for Dynamic Games”

2:45-3:15 **Break[†]**

3:15-4:45 **Modeling Issues**

Eduardo Morales, Ariel Pakes, Mar Reguant, and Fanyin Zheng: “Experience Based Equilibria: Estimation”

Lanier Benkard: “Oblivious Equilibria”

4:45-6:15 **Computational Issues and Multiple Equilibria**

Denis Nekipelov: “Computing Equilibria in Static Games of Incomplete Information Using the All-Solution Homotopy”
(with Patrick Bajari, Han Hong, and John Krainer)

Bertel Schjerning: “The Dynamics of Bertrand Competition with Cost-Reducing Investments” (with John Rust and Fedor Iskhakov)

* Conference on Econometrics and Mathematical Economics

† Breaks/Meals will take place in Room L101.

7:00 **Dinner: Saxon and Parole, 316 Bowery at Bleecker Street**

August 11th, 2012

8:30-9:00 **Breakfast**

9:00-10:30 **Bayesian Methods in Dynamic Models**

Andriy Norets: “Bayesian and Semiparametric Approaches to Dynamic Choice” (with Xun Tang)

Michael Dickstein: “Efficient Provision of Experience Goods: Evidence from Antidepressant Choice”

10:30-11:00 **Break**

11:00-12:00 **Discussion on Methods and Modeling Issues**

Introductory Comments by Lars Hansen, Han Hong, and Ariel Pakes

12:00-1:00 **Lunch**

1:00-2:30 **Empirical Work on Different Market Institutions**

Robin Lee: “Markov-Perfect Network Formation: An Applied Framework for Bilateral Oligopoly and Bargaining in Buyer-Seller Networks” (with Kyna Fong)

Greg Lewis: “An Estimable Demand System for a Large Auction Platform Market” (with Matt Backus)

Peter Arcidiacono: “Estimation of Dynamic Discrete Choice Models in Continuous Time” (with Pat Bayer, Jason Blevins, and Paul Ellickson)

2:30-3:00 **Break**

3:00-4:00 **Discussion on Issues that Arise in Empirical Work**

Introductory Comments by Dan Akerberg, Steven Berry, Ulrich Doraszelski, and Whitney Newey