

# RUBEN JUAREZ

## Curriculum Vitae

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### PERSONAL DETAILS

Citizenship: USA

DOB: March 5, 1982

Marital Status: Single

### EDUCATION

- B.S. Mathematics, CIMAT-Universidad de Guanajuato. June 2004.
- Ph.D. Economics, Rice University. May 2008.  
Supervisor: Hervé Moulin.

### PROFESSIONAL EXPERIENCE

- Assistant Professor in Economics, University of Hawaii at Manoa, August 2008-Present.

### RESEARCH INTERESTS

- Microeconomic Theory
- Game Theory
- Network Economics
- Mechanism design

### AWARDS AND SCHOLARSHIPS

- Scholarship, RICE UNIVERSITY 2005-2008
- Scholarship, CIMAT 1999-2004
- Gold medal, National Mathematical Olympiad 1998

## RESEARCH

Dissection of cooperative solutions in game theory using representation techniques (Joint with L. Hernandez and F. Sanchez). *International Journal of Game Theory* **35 (3)** 395-426 (2007).

The Worst Absolute Surplus Loss in the Problem of Commons: Random Priority vs. Average Cost. *Economic Theory* **34 (2008)**.

Solutions without dummy axiom for TU cooperative games *Economics Bulletin* **3 (1)**, (2008)

Prior-free cost-sharing design: group strategyproofness and the worst absolute loss, in *Social Computing and Behavioral Modeling* (2009)

Group strategyproof cost sharing: the role of indifferences (2008). Revised and resubmitted, *Games and Economic Behavior*.

Optimal group strategyproof cost sharing: budget balanced vs. efficiency (2008). Revised, *Economic Theory*.

Collusion-proof cost sharing (2008). Under Review, *Journal of Economic Theory*.

Working papers (drafts available on my website <http://www2.hawaii.edu/~rubenj>):

Composition, scale invariance and convex rationing solutions (2005).

Monotonic solutions to the expert aggregation problem (2009).

Work in Progress:

Coalition formation in tournaments with externalities.

Optimal collusion-proof mechanism in a network.

Implementing efficient graphs in connection network (joint with Rajnish Kumar).

Optimal group strategyproof mechanisms for divisible units of goods (joint with Sidartha Gordon, U Montreal).

Routing-proofness in congestion-prone networks (joint with Herve Moulin).

## REFEREE WORK

Economics Bulletin, Games and Economic Behavior, Journal of Economic Theory, Mathematical Social Sciences, Proceedings of the Third Erich L. Lehmann Symposium, Symposium on Theoretical Aspects of Computer Science

### **MEMBERSHIP IN PROFESSIONAL SOCIETIES**

The Econometric Society

Society for Social Choice and Welfare

Society for the Advancement of Chicanos and Native Americans in Science (SACNAS)

Game Theory Society

Society for Economic Design

### **TEACHING**

Rice University Summer Institute in Statistics (Summer 2006 and 2007).

Econ 211 Introductory Microeconomics (Spring 2008).

Econ 606 Microeconomic Theory (Fall 2008)

Econ 651 Public Economics II (Spring 2009)

Econ 607 Microeconomic Theory III (Spring 2009)

Econ 606 Microeconomic Theory (Fall 2009)

### **TEACHING ASSISTANT**

Econ 211 Introductory Microeconomics for undergraduates  
Multiple professors (Fall 2006 and Spring 2007).

Econ 477 Mathematical Economics for undergraduates  
Professor Dagobert Brito (Fall 2006 and 2007).

Econ 504 Microeconomics II for graduate students  
Professor Anna Bogomolnaia (Spring 2006).

Econ 507 Mathematical Economics for graduate students  
Professor Anna Bogomolnaia (Fall 2005, 2006 and 2007).

### **CONFERENCE AND WORKSHOP PRESENTATIONS**

Cooperative Economics workshop, Guanajuato, Mexico, January 2004.

Rice University students seminar, November 2005.

The Eight International meeting of the Society for Social Choice and Welfare, Istanbul, Turkey, July

2006.

The 17<sup>th</sup> International Conference in Game Theory, Stony Brook, NY, July 2006.

First Symposium FAMAT Graduates, Guanajuato, Mexico, August 2006

Rice University students seminar, September 2006.

Society for the Advancement of Chicanos and Native Americans in Science, Tampa, FL, October 2006.

The SAET conference on current trends in economics, Kos, Greece, June 2007.

Public Economic Theory conference, Nashville, TN, June 2007.

The 18<sup>th</sup> International Conference on Game Theory, Stony Brook, NY, July 2007.

Rice University Microeconomic Theory workshop, October 2007.

Colegio de Mexico Seminar, May 2008

The Ninth International meeting of the Society for Social Choice and Welfare, Montreal, Canada, June 2008.

Society for Economic Design, Ann Arbor, MI, June 2008

Third World Congress of the Game Theory Society, Evanston, IL, July 2008

Latin American Econometric Society Meeting, Rio de Janeiro, Brazil, November 2008

Rice University Microeconomic Theory Seminar, November, 2008

ITAM-CIE Economics Seminar, November 2008

Social computing and behavioral modeling workshop, April 2009

University of Montreal Microeconomic Theory Seminar, May 2009

Society for Economic Design, Maastricht, The Netherlands, June 2009

The 20<sup>th</sup> International Conference on Game Theory, Stony Brook, NY, July 2009

## REFERENCES

Professor **Anna Bogomolnaia**

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