

RUBEN JUAREZ

Curriculum Vitae

University of Hawaii	URL: http://www2.hawaii.edu/~rubenj
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PERSONAL DETAILS

Citizenship: Mexico, USA

DOB: March 5, 1982

EDUCATION

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

PROFESSIONAL EXPERIENCE

- Associate Professor and Graduate Chair, University of Hawaii, August 2015-Present.
- Associate Professor in Economics, University of Hawaii, August 2014-Present.
- Assistant Professor in Economics, University of Hawaii, August 2008-July 2014.

RESEARCH INTERESTS

- Microeconomic Theory
- Game Theory
- Network Economics
- Mechanism Design
- Cost Sharing

AWARDS AND SCHOLARSHIPS

- Air Force Office of Scientific Research, Young Investigator Program 2011.
“Tournament Games with Externalities.” \$362,388 2011-2014
- Hawaii Community Foundation,
“Social and Economic Networks in Health Disparate Communities.” \$50,000 2016-2017
- Scholarship, RICE UNIVERSITY 2005-2008
- Scholarship, CIMAT 1999-2004
- Gold medal, National Mathematical Olympiad 1998

RESEARCH

1. 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 (2008).
2. The Worst Absolute Surplus Loss in the Problem of Commons: Random Priority vs. Average Cost. *Economic Theory* 34 (1) 69-84 (2008).
3. Solutions without dummy axiom for TU cooperative games *Economics Bulletin* 3 (1), 1-9 (2008)
4. Prior-free cost-sharing design: group strategyproofness and the worst absolute loss. *Social Computing and Behavioral Modeling* (2009)
5. Implementing Efficient Graphs in Connection Networks. *Proceedings of Electronic Commerce Conference* (2011), *Economic Theory* (2012)
6. Group strategyproof cost sharing: the role of indifferences. *Games and Economic Behavior* 82 218-239 (2013)
7. Towards an Economics of Irrigation Networks (Joint with K. Jandoc and J. Roumasset). *Handbook of Water Economics and Institutions* (2014)
8. Self-enforcing Coalitions with Power Accumulation (joint with student Karl Jandoc) *International Journal of Game Theory* (2016)

Submissions

9. Sharing Sequential Values in a Network (Joint with C. Ko and J. Xue) (2016)
10. Intermediation-Free Equilibria in Resource Transmission Games (2016)
11. Optimality of the Uniform Rule under Single-peaked Preferences (2016)
12. An Experimental Study of Self-Enforcing Coalitions (2016)
13. Optimal group strategyproof cost sharing (2016)
14. Optimal division of a dollar under ordinal reports (Joint with C. Mai) (2016)
15. Implementing Efficient Allocations in Bilateral Projects (joint with K. Nitta) (2016)

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

16. Strategy-proof division of a dollar in a network (joint with R. Kumar) (2015)
First Target: Econometrica
17. Impartial division of a dollar: A general characterization (joint with H. Moulin) (2015)
First Target: Econometrica
18. Routing-proofness in Congestion-prone Networks (joint with student M. Wu) (2014)
First Target: Games and Economic Behavior
19. The no-threat equilibrium in tournament games with externalities (2015)
First target: Theoretical Economics
20. The effects of sharing rules in endogeneous coalition formation (2016)
First target: Games and Economic Behavior
21. Collusion-proof cost sharing (2016)
First target: Journal of Mathematical Economics
22. Convex rationing solutions (2016)
First target: Journal of Economic Theory
23. Collusion-proof cost sharing (2016)
First target: Journal of Mathematical Economics

Work in Progress (preliminary progress available upon request)

24. Monotonic solutions to the expert aggregation problem
25. Optimal collusion-proof mechanism in a network
26. Optimal group strategyproof mechanisms for divisible goods (joint with Sidartha Gordon)
27. Aggregating student rankings
28. Group strategyproof double auctions (a negative result)

REFEREE WORK

Games and Economic Behavior, Journal of Economic Theory, Mathematical Social Sciences, Economic Theory, Economics Letters, Economics Bulletin, BE Journal of Theoretical Economics, Social Choice and Welfare, SERIES, Operations Research, Electronic Commerce, Proceedings of the Third Erich L. Lehmann Symposium, Symposium on Theoretical Aspects of Computer Science, Theory and Decision, Discrete Applied Mathematics, Philosophy East and West, AFOSR, NSF, Springer (Book), Annals of Operations Research, Social Computing and Behavioral Modeling

CONFERENCE ORGANIZATION

Economics Science Association International Meeting, Honolulu, Hawaii, June 2014
Southwest Economic Theory conference, Honolulu, Hawaii, March 2013 (Main Organizer)
Prior-free mechanism design, Guanajuato, Mexico, May 2010. (Main Organizer)

MEMBERSHIP IN PROFESSIONAL SOCIETIES

The Econometric Society
Society for Social Choice and Welfare
Society for Economic Design
Game Theory Society
Society for the Advancement of Economic Theory
Society for the Advancement of Chicanos and Native Americans in Science (SACNAS)

TEACHING

(Four semester classes per year)

Rice University Summer Institute in Statistics (Summer 2006, 2007).
Econ 606 Microeconomic Theory (Fall 2008, 2009, 2010, 2011, 2012, 2013, 2015, 2016)
Econ 651 Public Economics II (Spring 2009, 2010)
Econ 620 Microeconomic Theory III (Spring 2009, Fall 2013, 2015)
Econ 420 Mathematical Economics (Spring 2010, Fall 2010)
Econ 470 Industrial Organization (Spring 2011, 2012, 2013)
Econ 301 Intermediate Microeconomics (Spring 2011, 2012 Fall 2011, 2012)
Econ 355 Network Economics (Spring 2013)

PRESENTATIONS AT CONFERENCES, WORKSHOPS AND RESEARCH VISITS

The Eight International meeting of the Society for Social Choice and Welfare, Istanbul, Turkey, July 2006.

The 17th International Conference in Game Theory, Stony Brook, NY, July 2006.

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

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

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

The 18th International Conference on Game Theory, Stony Brook, NY, July 2007.

Rice University Microeconomic Theory Seminar, October 2007.

Colegio de Mexico Seminar, May 2008 (Invited)

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 (Invited)

Social computing and behavioral modeling workshop, April 2009

University of Montreal Microeconomic Theory Seminar, May 2009 (Invited)

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

The 20th International Conference on Game Theory, Stony Brook, NY, July 2009

Universitat Autònoma de Barcelona Seminar, Barcelona Spain, November 2009. (Invited)

L'Ecole Polytechnique Seminar, Paris, France, November 2009. (Invited)

Southwest Economic Theory Conference, Lake Arrowhead, UCLA, California, February 2010.

Workshop in Prior-Free Mechanism Design, Guanajuato, Mexico, June 2010. (Invited)

The Tenth international meeting of the Society for Social Choice and Welfare, Moscow, Russia, July 2010.

Second Brazilian workshop in Game Theory, Sao Paulo, Brazil, August 2010. (Invited)

Bargaining, Evolution and Networks: A Conference in Honor of Hans Haller, February 2011 (Invited)

Rice University Microeconomic Theory Seminar, March 2011 (Invited)

Conference in Economic Design, Montreal, CA, June 2011

Society for the Advancement of Economic Theory, Faro, Portugal, June 2011 (Invited)

Public Economic Theory Conference, Taipei, Taiwan, June 2012

Korean Economic Association Meeting, Seoul, Korea, June 2012 (Invited)

4rd World Congress of the Game Theory, Istanbul, Turkey August 2012

The 11th International Meeting of the Society for Social Choice and Welfare, Delhi, India, August 2012

Airforce Office of Scientific Research, Trust and Influence Program Review, January 2013 (Invited)

Asia-Pacific Economic Science Association Conference, Tokyo, Japan, February 2013

Public Economic Theory Conference, Lisbon, Portugal, July 2013

Conference in Economic Design, Lund, Sweden, July 2013

Asia-Pacific Econometric Society Meeting, Singapore, August 2013

Texas A&M Microeconomic Theory Seminar, October 2013 (Invited)

Queens University Belfast, Belfast, UK, March 2014

Workshop on Games and Networks, Belfast, UK May 2014

University of Glasgow, Glasgow, UK, May 2014

Second Workshop on Networks and Externalities, Budapest, Hungary, May 2014

Social Choice and Welfare Conference, Boston, MA, June 2014

Economic Science Association International Meeting, Honolulu, HI, June 2014

Université de Montréal, Economics Department, Montreal, QC, September 2015 (Invited)

Université Laval, Economics Department, Quebec City, QC, October 2015 (Invited)

University of Rochester, Economics Department, Rochester, NY, October 2015 (Invited)

Latin American Econometric Society Meeting, Rio de Janeiro, Brazil, November 2014

National University of Singapore, Economics Department, Singapore, January 2015 (Invited)

Singapore Management University, Economics Department, Singapore, March 2015 (Invited)

University of Glasgow, Economics Department, Glasgow, UK, June 2015 (Invited)

Queens University Belfast, Economics Department, Belfast, UK, June, 2015 (Invited)

El Colegio de Mexico, Economics Department, Mexico City, Mexico, June 2015 (Invited)

90th Annual Conference of the Western Economic Association, Honolulu, HI, June 2015

Society for Economic Design, Istanbul, Turkey, July 2015

World Congress of the Econometric Society, Montreal, QC, August 2015

Workshop in Game Theory, Guanajuato, Mexico, February, 2015

California State University, East Bay, California, March 2016 (Invited)

Coalition Theory Networks, Moscow, Russia, April 2016

Social Choice and Welfare Conference, Lund, Sweden, June 2016

The World Congress of the Game Theory Society, Maastricht, Netherlands, July 2016

Istanbul Technical University, Istanbul, Turkey, September 2016 (Invited)

Last update: September 2016