

Programme
Fourth International Conference of the
Society for Social Choice and Welfare
University of British Columbia
July 3–6, 1998

Friday, July 3

1A. **Strategy-Proofness with Indivisibilities**, Curtis 102, 9:00 - 10:40

Chair: **Jordi Massó** (Universitat Autònoma de Barcelona)

Fair Allocation of an Indivisible Commodity when Monetary Compensations are Not Possible, **Bettina Klaus** (Universiteit Maastricht and University of Nebraska at Lincoln).

Strategyproof Assignment by Hierarchical Exchange, **Szilvia Papai** (Koç University).

Recapturing Efficiency in House Allocation with Existing Tenants, **Atila Abdulkadiroğlu** (University of Rochester) and **Tayfun Sönmez*** (University of Michigan).

Strategy-Proofness and Implementation for the Provision of Multiple Public Goods as Options, **Eiichi Miyagawa** (University of Rochester and Columbia University).

1B. **Local Public Goods and Clubs**, Curtis 157, 9:00 - 10:40

Chair: **Robert P. Gilles** (Virginia Polytechnic Institute and State University)

Tiebout Economies with a Continuum of Traders, **John P. Conley** (University of Illinois at Urbana-Champaign) and **Myrna Holtz Wooders*** (University of Toronto).

The Tiebout Theorem: On the Existence of Asymptotically Efficient Migration-Proof Equilibria, **John P. Conley*** (University of Illinois at Urbana-Champaign) and **Hideo Konishi** (Southern Methodist University and Boston University).

From Each According to Their Capacity to Pay: Differentiated Pricing in Clubs, **Vicky Barham** (University of Ottawa) and **Laura Razzolini*** (University of Mississippi).

Local Public Goods and Clubs: A Unified Theory of First Best, **Marcus Berliant*** (Washington University) and **John H. Y. Edwards** (Tulane University).

1C. **Path-Dependent and Path-Independent Choice**, Curtis 169, 9:00 - 10:40

Chair: **Nick Baigent** (Graz University)

On the Structure of Choice under Different External References, **Wulf Gaertner** (Universität Osnabrück) and **Yongsheng Xu*** (University of Nottingham).

Path Independent Choice Functions over Infinite Domains, **Mark R. Johnson** (Tulane University) and **Richard A. Dean*** (California Institute of Technology).

The Complexity of Economic Choice, **Mark R. Johnson** (Tulane University).

Choice Functions and Abstract Convex Geometries, **Gleb A. Koshevoy** (Central Institute of Economics and Mathematics, Moscow).

1D. Egalitarianism and Utilitarianism, Curtis 177, 9:00 - 10:40

Chair: **Marc Fleurbaey** (THEMA and Université de Cergy-Pontoise)

Why and How Egalitarians Should Appeal to a Utilitarian-Like Principle (and Not to Leximin or Other Prioritarian Principles), **Peter Vallentyne** (Virginia Commonwealth University).

Rational Individualistic Egalitarianism Implies Utilitarianism, **Yew-Kwang Ng** (Monash University and National Taiwan University).

Macrojustice, **Serge-Christophe Kolm** (Ecole des Hautes Etudes en Sciences Sociales).

Fair Social Orderings with Unequal Production Skills, **Marc Fleurbaey** (THEMA and Université de Cergy-Pontoise) and **François Maniquet*** (FNRS, CORE, and Facultés Universitaires Notre-Dame de la Paix, Namur).

Break 10:40 - 11:00

2A. Topics in Strategy-Proofness I, Curtis 102, 11:00 - 12:15

Chair: **Arunava Sen** (Indian Statistical Institute, Delhi Centre)

Strategy-Proof Solutions in a Permit Sharing Problem: Equivalence Between Strategy-Proofness and Monotonicity, **Sang-Chul Suh** (University of Windsor).

Strategy-Proof Decision Schemes for Linear Utility Maximizers with a Finite Number of Outcomes, **Hans van der Stel** (Universiteit Maastricht).

Nash Implementation in Truthful Strategies, Strategy-Proofness and Efficiency on the Restricted Domain of Leontief Preferences, **Antonio Nicolò** (Universitat Autònoma de Barcelona).

2B. Stable Coalitions, Syndicates, and Networks, Curtis 157, 11:00 - 12:15

Chair: **Hideo Konishi** (Southern Methodist University and Boston University)

Stable Syndicates of Factors Owners and Distribution of Social Output, **Hélène Ferrer** (CORE, Université Catholique de Louvain and GEMMA, Université de Caen).

Coalitional Negotiation, **Ana Mauleon** (Universidad del País Vasco–Euskal Herriko Unibertsitatea) and **Vincent Vannetelbosch*** (Universidad del País Vasco–Euskal Herriko Unibertsitatea and CORE, Université Catholique de Louvain).

A Dynamic Model of Network Formation, **Alison Watts** (Vanderbilt University).

2C. **Voting Rules I**, Curtis 169, 11:00 - 12:15

Chair: **Gilbert Laffond** (Conservatoire National des Arts et Métiers)

Rating Skating and the Theory of Social Choice, **Michel Truchon** (Université Laval).

Condorcet Efficiencies under the Maximal Culture Condition, **William V. Gehrlein*** (University of Delaware) and **Dominique Lepelley** (Université de Caen).

Single Mode Distributions, **Ad van Deemen** (Katholieke Universiteit Nijmegen) and **Ton Storcken*** (Universiteit Maastricht).

2D. **Egalitarianism in TU Games**, Curtis 177, 11:00 - 12:15

Chair: **Bhaskar Dutta** (Indian Statistical Institute, Delhi Centre)

Consistency and Egalitarianism: The Egalitarian Set, **Javier Arin*** (Universidad del País Vasco–Euskal Herriko Unibertsitatea) and **Elena Inarra** (Universidad del País Vasco–Euskal Herriko Unibertsitatea).

An Axiomatic Approach to Egalitarianism in TU-Games, **Javier Arin** (Universidad del País Vasco–Euskal Herriko Unibertsitatea), **Jeroen Kuipers*** (Universidad del País Vasco–Euskal Herriko Unibertsitatea), and **Dries Vermeulen** (Tilburg University).

Constrained Egalitarianism, **Jean-Yves Jaffray** (LAFORIA, Université de Paris VI) and **Philippe Mongin*** (THEMA, CNRS, and Université de Cergy-Pontoise).

Lunch 12:15 - 1:30

3A. **Markets**, Curtis 102, 1:30 - 2:45

Chair: **Hans Haller** (Virginia Polytechnic Institute and State University)

Pricing in Economies with Variable Number of Commodities, **Robert P. Gilles*** (Virginia Polytechnic Institute and State University) and **Dimitrios Diamantaras** (Temple University).

Inconsequential Arbitrage, **Frank Page*** (University of Alabama) and **Myrna Holtz Wooders** (University of Toronto).

3B. **Optimal Income Taxation**, Curtis 157, 1:30 - 2:45

Chair: **Steven Slutsky** (University of Florida)

Optimal Taxation of Income and Bequests, **Johann K. Brunner** (University of Linz).

Asymmetric Attitude Towards Emigration and Immigration: National Interest in Income Tax Policy, **Sinikka Hämäläinen** (University of Tampere).

Optimal Income Taxation: An Ordinal Approach, **Marc Fleurbaey*** (THEMA and Université de Cergy-Pontoise) and **François Maniquet** (FNRS, CORE, and Facultés Universitaires Notre-Dame de la Paix, Namur).

3C. Interdependent Preferences, Curtis 169, 1:30 - 2:45

Chair: **Richard C. Cornes** (Keele University)

Envy, Malice and Pareto Efficiency: An Experimental Examination, **Steven R. Beckman** (University of Colorado at Denver), **John P. Formby*** (University of Alabama), **W. James Smith** (University of Colorado at Denver), and **Buhong Zheng** (University of Colorado at Denver).

The Strategic Advantage of Negatively Interdependent Preferences, **Levent Koçkesen** (New York University), **Efe A. Ok** (New York University), and **Rajiv Sethi*** (Barnard College, Columbia University).

3D. Stability in Games and Economies, Curtis 177, 1:30 - 2:45

Chair: **Theo S. H. Driessen** (University of Twente)

Communication, Credible Improvements and the Core of an Economy with Asymmetric Information, **Oscar Volij** (Brown University).

Socially Stable Sets, **Robert Delver*** (Royal Netherlands Naval Academy) and **Herman Monsuur** (Royal Netherlands Naval Academy).

Solution to Large Totally Balanced Games, **Joachim Rosenmüller** (Universität Bielefeld).

Break 2:45 - 3:05

4A. Strategy-Proofness and the Division Problem, Curtis 102, 3:05 - 3:55

Chair: **Yves Sprumont** (Université de Montréal)

Maximal Domain of Preferences in the Division Problem, **Jordi Massó*** (Universitat Autònoma de Barcelona) and **Alejandro Neme** (Universidad Nacional de San Luis and CONICET).

Rationing a Commodity Along Fixed Paths, **Hervé Moulin** (Duke University).

4B. Policy Dispersion in Elections, Curtis 157, 3:05 - 3:55

Chair: **Jeffrey S. Banks** (Center for Advanced Study in the Behavioral Sciences and California Institute of Technology)

Information Revelation in Electoral Competition, **César Martinelli** (Instituto Tecnológico Autónomo de México).

Dispersed Policy Equilibria in a Multivariate Spatial Model: The 1988 French Presidential Election, **James Adams** (University of California at Santa Barbara) and **Samuel Merrill, III*** (Wilkes University).

4C. **Voting and Spending Decisions**, Curtis 169, 3:05 - 3:55

Chair: **Murat Sertel** (Turkish Academy of Sciences and Boğaziçi University)

The Optimal Policy of Investment in Human Capital: The Example of Collective Decision Making, **Jacob Paroush*** (Bar-Ilan University) and **Ruth Ben-Yashar** (Bar-Ilan University).

A Voting Paradox and the Budget Deficit, **Karl Widerquist** (Jerome Levy Economics Institute of Bard College).

4D. **Utility Representation**, Curtis 177, 3:05 - 3:55

Chair: **Vicki Knoblauch** (Royal Holloway, University of London)

Variable Intervals Model, **Marc-Arthur Diaye** (LAMIA, Université de Paris 1 Panthéon-Sorbonne).

A Complete and Continuous Numerical Representation for Partial Orders, **Carlos Rodríguez-Palmero** (Universidad de Valladolid).

Break 3:55 - 4:05

Keynote Address, Curtis 101/102/201, 4:05 - 5:05

Chair: **Kotaro Suzumura** (Hitotsubashi University)

Social Choice: What are the Questions?, **Allan F. Gibbard** (University of Michigan).

Welcoming Reception, 5:15

UBC Museum of Anthropology

Saturday, July 4

5A. **Rationalizability in Games and Welfare Economics**, Curtis 102, 9:00 - 10:40

Chair: **Hans Peters** (Universiteit Maastricht)

Rationalizable Solutions to Pure Population Problems, **Charles Blackorby** (University of British Columbia and GREQAM), **Walter Bossert*** (University of Nottingham), and **David Donaldson** (University of British Columbia).

Game Theory via Revealed Preferences, **Lin Zhou*** (Duke University) and **Indrajit Ray** (University of York).

Cooperative or Noncooperative Behavior? A Note on the Testable Implications of Collective Choice Theories, **Yves Sprumont** (Université de Montréal).

5B. Topics in Strategy-Proofness II, Curtis 157, 9:00 - 10:40

Chair: **Ton Storcken** (Universiteit Maastricht)

Ultimate Implementation: Strategy-Proofness Reconsidered, **Tatsuyoshi Saijo*** (Osaka University), **Tomas Sjöström** (Harvard University), and **Takehiko Yamato** (Tokyo Metropolitan University).

Pairwise Strategy-Proof Rules, **Shigehiro Serizawa** (Shiga University).

Manipulation Through Bribes, **James Schummer** (Northwestern University).

A Degree and an Efficiency of Manipulation of Known Social Choice Rules, **Fuad Aleskerov*** (Boğaziçi University and Institute of Control Sciences, Moscow) and **Eldeniz Kurbanov** (Boğaziçi University).

5C. Equality of Opportunity/Freedom of Choice, Curtis 169, 9:00 - 10:40

Chair: **Klaus Nehring** (University of California at Davis)

On Ranking Opportunity Sets in Economic Environments, **Prasanta K. Pattanaik*** (University of California at Riverside) and **Yongsheng Xu** (University of Nottingham).

Equality of Opportunities: Cardinality-Based Criteria, **Ricardo Arlegi** (Universidad Pública de Navarra) and **Jorge Nieto*** (Universidad Pública de Navarra).

Measuring and Implementing Equality of Opportunity for Income, **Vitorocco Peragine** (University of York).

5D. Taxation and Inequality, Curtis 177, 9:00 - 10:40

Chair: **Marcus Berliant** (Washington University)

Randomization, Revelation, and Redistribution in a Lerner World, **Pierre Pestieau** (Université de Liège), **Uri Possen** (Cornell University), and **Steven Slutsky*** (University of Florida).

Flat Taxes and Inequality, **James Davies** (University of Western Ontario) and **Michael Hoy*** (University of Guelph).

Consistent Income Taxation when Households are Heterogeneous, **Udo Ebert** (Carl von Ossietzky Universität Oldenburg) and **Patrick Moyes*** (CNRS, IDEP, LARE, and Université Montesquieu Bordeaux IV).

The Redistribution of Income Between Heterogeneous Income Units, **Dominique Thon*** (Bodø Graduate School of Business) and **Stein W. Wallace** (Norwegian University of Science and Technology).

Break 10:40 - 11:00

6A. Voting on Distributional Issues, Curtis 102, 11:00 - 12:15

Chair: **Michel Le Breton** (GREQAM-LEQAM, Université de la Méditerranée, and Institut Universitaire de France)

Redistributing Income under Proportional Representation, **David Austen-Smith** (Northwestern University).

Dividing a Dollar, Democratically, **Jean-François Laslier*** (CNRS, THEMA, and Université de Cergy-Pontoise) and **Nathalie Picard** (THEMA and Université de Cergy-Pontoise).

6B. Manipulation, Strategy-Proofness, and Multivalued Choice, Curtis 157, 11:00 - 12:15

Chair: **Tayfun Sönmez** (University of Michigan)

Strategy Proofness of Social Choice Correspondences with Restricted Domains, **Nick Baigent*** (Graz University) and **Benjamin Lane** (Graz University).

Multi-Valued Strategy-Proof Social Choice Rules, **Stephen Ching*** (City University of Hong Kong) and **Lin Zhou** (Duke University).

Trade-Offs for the Gibbard-Satterthwaite Theorem, **Donald E. Campbell** (College of William and Mary) and **Jerry S. Kelly*** (Syracuse University).

6C. Decision Theory, Curtis 169, 11:00 - 12:15

Chair: **Philippe Mongin** (THEMA, CNRS, and Université de Cergy-Pontoise)

The Demand for Sweepstakes, **Chew Soo-Hong** (Hong Kong University of Science and Technology and University of California at Irvine) and **Guofu Tan*** (Hong Kong University of Science and Technology and University of British Columbia).

An Analysis of Strategies Which are Based on the Principle of Insufficient Reason, **Peter J. Coughlin** (University of Maryland, College Park).

6D. Consistency and Converse Consistency, Curtis 177, 11:00 - 12:15

Chair: **Bettina Klaus** (Universiteit Maastricht and University of Nebraska at Lincoln)

The Consistency Principle and an Axiomatization of the α -Core, **Koji Takamiya** (Hokkaido University).

The Consistency Principle and the Core of Simple Games with Ordinal Preferences, **Ryo-ichi Nagahisa** (Kansai University) and **Tomoichi Shinotsuka*** (Otaru University of Commerce and California Institute of Technology).

Axiomatization of Lindahl and Ratio Equilibria in Public Good Economies, **Anne van den Nouweland*** (University of Oregon), **Stef Tijs** (Tilburg University), and **Myrna Holtz Wooders** (University of Toronto).

Lunch 12:15 - 1:45

7A. Voting and Redistributive Taxation, Curtis 102, 1:45 - 3:00

Chair: **Johann K. Brunner** (University of Linz)

Local Redistribution Financed by Income Tax, **Stephen M. Calabrese** (Koç University).

Taxation, Altruism and Subsidies for Higher Education, **Carmen Beviá*** (Universitat Autònoma de Barcelona) and **Iñigo Iturbe-Ormaetxe** (Universidad de Alicante).

7B. Implementation with Simple and Natural Mechanisms, Curtis 157, 1:45 - 3:00

Chair: **Tatsuyoshi Saijo** (Osaka University)

Stable Implementation: Axioms and Mechanisms, **Frédéric Gaspard** (Facultés Universitaires Notre-Dame de la Paix, Namur).

Implementation of Optimal Contracts under Adverse Selection, **Pablo Amorós*** (Universidad de Alicante and Universidad de Granada) and **Bernardo Moreno** (Universidad de Alicante and Universidad de Málaga).

The Nash Bargaining Solution is Nash Implementable, **Jörg Naeve** (Universität Bielefeld and Université de Caen).

7C. Voting Rules II, Curtis 169, 1:45 - 3:00

Chair: **William Zwicker** (Union College)

Consistency in Electoral System Design, **Semih Koray** (Bilkent University).

A New Social Ranking Rule, **Satya Paul** (University of Western Sydney at Macarthur).

The Matrix Vote for a Power-Sharing Executive, **Peter J. Emerson** (The de Borda Institute, Belfast).

7D. Solution Concepts for Cooperative Games, Curtis 177, 1:45 - 3:00

Chair: **Carmen Herrero** (IVIE and Universidad de Alicante)

Equal-Loss Solution for Monotonic Coalitional Games, **María del Carmen Marco Gil*** (Universidad Pública de Navarra) and **Begoña Subiza** (Universidad de Alicante).

An Asymmetric Kalai-Smorodinsky Solution, **Juan Manuel Dubra** (New York University).

Dynamics and Axiomatics of the Equal Area Bargaining Solution, **Emilio Calvo** (Universitat de València) and **Hans Peters*** (Universiteit Maastricht).

Break 3:00 - 3:20

8A. **Bargaining and Equality**, Curtis 102, 3:20 - 4:35

Chair: **Walter Bossert** (University of Nottingham)

The Choquet Bargaining Solutions, **Efe A. Ok** (New York University) and **Lin Zhou*** (Duke University).

Fair Bargains: Distributive Justice and Nash Bargaining Theory, **Marco Mariotti** (Royal Holloway, University of London).

The Ordinal Egalitarian Bargaining Solution, **John P. Conley** (University of Illinois at Urbana-Champaign) and **Simon Wilkie*** (California Institute of Technology).

8B. **Strategy-Proofness and Generalized Medians**, Curtis 157, 3:20 - 4:35

Chair: **James Schummer** (Northwestern University)

Maximal Domain for Strategy-Proof Rules with One Public Good, **Dolors Berga*** (Universitat de Girona) and **Shigehiro Serizawa** (Shiga University).

A Characterization of Median Voter Schemes, **Anna Bogomolnaia** (Universitat Pompeu Fabra).

Strategy-Proof Probabilistic Decision Schemes, **Lars Ehlers*** (Universiteit Maastricht), **Hans Peters** (Universiteit Maastricht), and **Ton Storcken** (Universiteit Maastricht).

8C. **Competition in Models of Taxation and Rent-Seeking**, Curtis 169, 3:20 - 4:35

Chair: **Gareth D. Myles** (University of Exeter)

Implementing Tax Coordination, **Amrita Dhillon*** (University of Warwick), **Carlo Perroni** (University of Warwick), and **Kimberley A. Scharf** (University of Warwick and Institute for Fiscal Studies).

Interjurisdictional Competition, Multinationals and Labour Market Conditions, **Marcel Gérard*** (ARPEGE, Facultés Universitaires Catholiques de Mons).

Designing an Optimal Contest, **Ani Dasgupta*** (Pennsylvania State University) and **Kofi O. Nti** (Pennsylvania State University).

8D. **Aggregation of Fuzzy Preferences**, Curtis 177, 3:20 - 4:35

Chair: **Prasanta K. Pattanaik** (University of California at Riverside)

Aggregation of Fuzzy Preferences: Some Rules of the Mean, **José Luis García-Lapresta*** (Universidad de Valladolid) and **Bonifacio Llamazares** (Universidad de Valladolid).

Fuzzy Aggregation in an Economic Environment: The Quantitative Case, **Maurice Salles** (GEMMA-CREME and Institut SCW, Université de Caen).

Break 4:35 - 4:45

Keynote Address, Curtis 101/102/201, 4:45 - 5:45

Chair: **Salvador Barberà** (Universitat Autònoma de Barcelona)

Competitive Markets and Strategy-Proofness, **Mark A. Satterthwaite** (Northwestern University).

Conference Banquet, 7:30

Law Courts Inn

Sunday, July 5

9A. **Endogeneity in Elections I**, Curtis 102, 9:00 - 10:40

Chair: **David Austen-Smith** (Northwestern University)

Endogenous Elections and Strategic Voting, **Maria E. Gallego** (Wilfrid Laurier University).

Electoral Systems and the Number of Parties: A Dynamic Model, **Sandro Brusco** (Universidad Carlos III de Madrid).

Coalition Formation in Legislative Voting, **Matthew O. Jackson*** (California Institute of Technology) and **Boaz Moselle** (Northwestern University).

Endogenous Enfranchisement when Groups' Preferences are Conflicting, **Akram Temimi** (University of Alabama) and **John P. Conley*** (University of Illinois at Urbana-Champaign).

9B. **Values and Semivalues of TU Games**, Curtis 157, 9:00 - 10:40

Chair: **Joachim Rosenmüller** (Universität Bielefeld)

Potential and Consistency for Semivalues of Finite Cooperative TU Games, **Irinel Dragan** (University of Texas at Arlington).

Weighted Potential and Consistency: A Uniform Approach to Values for TU-Games, **Theo S. H. Driessen** (University of Twente).

The Multilevel Value, **Emilio Calvo*** (Universitat de València) and **J. Carlos Santos** (Universidad del País Vasco–Euskal Herriko Unibertsitatea).

On Some Marginalist Values for TU Games, **Anna B. Khmelnitskaya** (St. Petersburg Institute for Economics and Mathematics).

9C. **Poverty, Inequality, and Horizontal Inequity**, Curtis 169, 9:00 - 10:40

Chair: **James F. Foster** (Vanderbilt University)

A Normative Approach to Measuring Classical Horizontal Inequity, **Jean-Yves Duclos*** (Université Laval) and **Peter Lambert** (University of York).

On the Power of Poverty Orderings, **Buhong Zheng** (University of Colorado at Denver).

Inequality and Risk Perceptions, **Yoram Amiel*** (Ruppin Institute), **Frank Cowell** (London School of Economics), and **Avraham Polovin** (Ruppin Institute).

Welfare Comparisons and Bounded Equivalence Scales, **Marc Fleurbaey** (THEMA and Université de Cergy-Pontoise) and **Alain Trannoy*** (THEMA and Université de Cergy-Pontoise).

9D. **Evolution of Preferences and Social Customs**, Curtis 177, 9:00 - 10:40

Chair: **Rajiv Sethi** (Barnard College, Columbia University)

Long-Term Partnership and Desertion, **Theodore C. Bergstrom*** (University of California at Santa Barbara) and **Giovanni Ponti** (University of California at Santa Barbara).

The Economics of Cultural Transmission and the Dynamic of Preferences, **Alberto Bisin*** (New York University) and **Thierry Verdier** (CERAS, DELTA, and CEPR).

Nash Equilibrium and the Evolution of Preferences, **Jeffrey C. Ely*** (Northwestern University) and **Okan Yilankaya** (Northwestern University).

Why Would Nature Give Individuals Utility Functions?, **Arthur J. Robson** (University of Western Ontario).

Break 10:40 - 11:00

10A. **Tournaments**, Curtis 102, 11:00 - 12:15

Chair: **Jean-François Laslier** (CNRS, THEMA, and Université de Cergy-Pontoise)

The Uncovered Set with Arbitrary Distributions of Voters, **Jeffrey S. Banks** (Center for Advanced Study in the Behavioral Sciences and California Institute of Technology), **John Duggan*** (University of Rochester), and **Michel Le Breton** (GREQAM-LEQAM, Université de la Méditerranée, and Institut Universitaire de France).

Individual Preference Aggregation in a Cartesian Product and Single-Peakedness, **Laurent Vidu** (GEMMA-CREME, Université de Caen).

Majority Voting on Orders, **Gilbert Laffond** (Conservatoire National des Arts et Métiers) and **Jean Lainé*** (Ecole Nationale de la Statistique et de l'Administration Economique and Laboratoire d'Economie Industrielle).

10B. **Screening in Taxation and Related Models**, Curtis 157, 11:00 - 12:15

Chair: **Udo Ebert** (Carl von Ossietzky Universität Oldenburg)

Education, Distributive Justice and Adverse Selection, **Marc Fleurbaey** (THEMA and Université de Cergy-Pontoise), **Denis Maguain** (THEMA and Université de Cergy-Pontoise), and **Robert Gary-Bobo*** (THEMA and Université de Cergy-Pontoise).

Taxes and Employment Subsidies in Optimal Redistribution Programs, **Charles Blackorby*** (University of British Columbia and GREQAM) and **Paul Beaudry** (University of British Columbia).

10C. **Equity and Efficiency**, Curtis 169, 11:00 - 12:15

Chair: **Alain Trannoy** (THEMA and Université de Cergy-Pontoise)

When Equity Dominates Efficiency: Nonmonotonic Choquet Integrals, **Peter Wakker*** (Leiden University Medical Center and CentER, Tilburg University) and **Anja De Waegenare** (CentER, Tilburg University).

Paretian Welfare Judgements and Bergsonian Social Choice, **Kotaro Suzumura** (Hitotsubashi University).

Efficiency First or Equity First?—Two Principles and Rationality of Social Choice, **Koichi Tadenuma** (Hitotsubashi University).

10D. **Topics in Game Theory**, Curtis 177, 11:00 - 12:15

Chair: **John P. Conley** (University of Illinois at Urbana-Champaign)

Modelling Noisy Players, **Alfonso Barriuso** (Universidad del Pais Vasco–Euskal Herriko Unibertsitatea) and **José Ramón Uriarte*** (Universidad del Pais Vasco–Euskal Herriko Unibertsitatea).

Weighted Dutta-Ray Solutions, **Toru Hokari** (University of Rochester).

Lunch 12:15 - 1:45

11A. **Decisiveness Structures**, Curtis 102, 1:45 - 3:00

Chair: **Fuad Aleskerov** (Boğaziçi University and Institute of Control Sciences, Moscow)

Stationary Equilibria in a Bargaining Model of Social Choice, **Jeffrey S. Banks*** (Center for Advanced Study in the Behavioral Sciences and California Institute of Technology) and **John Duggan** (University of Rochester).

The Heart and the Uncovered Set, **Norman Schofield** (Washington University).

The Structure of Probabilistic Social Choice Correspondences, **Shasikanta Nandeibam** (University of Birmingham).

11B. Welfare Properties of Strategy-Proof Mechanisms for Public Decisions, Curtis 157, 1:45 - 3:00

Chair: **John O. Ledyard** (California Institute of Technology)

The Pivotal Mechanism for Excludable Public Goods: Characterization and Welfare Asymptotics, **Rajat Deb** (Southern Methodist University), **Indranil K. Ghosh*** (Southern Methodist University), and **Tae Kun Seo** (Southern Methodist University).

The Conservative Equal Costs Rule, the Serial Cost Sharing Rule and the Pivotal Mechanism: Asymptotic Welfare Loss Comparisons for the Case of an Excludable Public Project, **Rajat Deb*** (Southern Methodist University), **Laura Razzolini** (University of Mississippi), and **Tae Kun Seo** (Southern Methodist University).

Dominant-Strategy Implementation of First-Best Public Decisions, **Manipushpak Mitra** (Indian Statistical Institute, Delhi Centre) and **Arunava Sen*** (Indian Statistical Institute, Delhi Centre).

11C. Bargaining as Compromises, Curtis 169, 1:45 - 3:00

Chair: **Lin Zhou** (Duke University)

Fallback Bargaining, **Steven J. Brams*** (New York University) and **D. Marc Kilgour** (Wilfrid Laurier University).

Bargaining Solutions as Social Compromises, **Andreas Pfingsten** (Universität Münster) and **Andreas Wagener*** (Universität-GH Siegen).

The Averaging Mechanism, **Elizabeth Naeve-Steinweg** (Universität Bielefeld and Université de Caen).

11D. Preferences and Demand, Curtis 177, 1:45 - 3:00

Chair: **Marc-Arthur Diaye** (LAMIA, Université de Paris 1 Panthéon-Sorbonne)

Preference Representation and Computable Preferences, **Vicki Knoblauch** (Royal Holloway, University of London).

Obtaining Equivalent Incomes with Consumption Equivalence Scales, **Ursicino Carrascal** (Universidad de Valladolid).

Break 3:00 - 3:20

12A. **Axiomatic Models of Resource Allocation**, Curtis 102, 3:20 - 4:35

Chair: **Anne van den Nouweland** (University of Oregon)

Duality, Homogeneity, and d -Monotonicity in Linear Bargaining, **Jingang Zhao** (Ohio State University).

Information and Mechanism Design: On the Cost Sharing of Multiple Public Goods, **Yan Yu** (Duke University).

On the Axiomatic Method, **William Thomson** (University of Rochester).

12B. **Noncooperative Bargaining**, Curtis 157, 3:20 - 4:35

Chair: **Carmen Herrero** (IVIE and Universidad de Alicante)

A Model of Bargaining with the Possibility of Arbitration, **Paola Manzini*** (Queen Mary and Westfield College) and **Marco Mariotti** (Royal Holloway, University of London).

Randomly Available Outside Options in Bargaining, **Clara Ponsatí*** (Universitat Autònoma de Barcelona) and **József Sákovics** (Institut d'Anàlisi Econòmica (CSIC), Universitat Autònoma de Barcelona).

Non-Cooperative Bargaining of National and Supranational Interests under Asymmetric Information, **Mika Widgrén** (Yrjö Jahnesson Foundation, CEPR, and Massachusetts Institute of Technology).

12C. **Voting Games**, Curtis 169, 3:20 - 4:35

Chair: **Maurice Salles** (GEMMA-CREME and Institut SCW, Université de Caen)

Nonemptiness of the Stability Set, **Mathieu Martin** (GEMMA-CREME, Université de Caen).

Cores of Majority Voting Games in a Representative Democracy, **Gilbert Laffond*** (Conservatoire National des Arts et Métiers) and **Jean Lainé** (Ecole Nationale de la Statistique et de l'Administration Economique and Laboratoire d'Economie Industrielle).

Strong Equilibria of Voting Games are the Generalized Condorcet Winners, **Murat Sertel*** (Turkish Academy of Sciences and Boğaziçi University) and **M. Remzi Sanver** (Boğaziçi University).

12D. **Formal Models of Justice and Ethics**, Curtis 177, 3:20 - 4:35

Chair: **Rajat Deb** (Southern Methodist University)

Individual Moral Consistency and Aggregative Collective Choices, **Nicolas Gravel*** (THEMA and Université de Cergy-Pontoise), **Jean-François Laslier** (THEMA and Université de Cergy-Pontoise), and **Alain Trannoy** (THEMA and Université de Cergy-Pontoise).

A Formulation of the Rawlsian Difference Principle—An Extended Social Welfare Function Approach, **Geiko Gotoh** (National Institute of Population and Social Security Research) and **Naoki Yoshihara*** (Hokkaido University).

A Game Form Approach to Theories of Distributive Justice—Formalizing Needs Principle, **Reiko Gotoh** (National Institute of Population and Social Security Research) and **Naoki Yoshihara*** (Hokkaido University).

Break 4:35 - 4:45

Keynote Address, Curtis 101/102/201, 4:45 - 5:45

Chair: **Peter J. Hammond** (Stanford University)

Economic Policy and Economic Politics, **James A. Mirrlees** (Cambridge University).

Biennial Meeting of the Members of the Society for Social Choice and Welfare, Curtis 102, 5:45 - 6:10

Meeting of the Editorial Board of Social Choice and Welfare, Curtis 102, 6:10 - 6:30

Monday, July 6

13A. **Implementation Theory**, Curtis 102, 9:00 - 10:40

Chair: **John Duggan** (University of Rochester)

Voluntary Implementation, **Matthew O. Jackson** (California Institute of Technology) and **Thomas R. Palfrey*** (California Institute of Technology).

The Truth, the Whole Truth, and Nothing But the Truth, **Pablo Amorós** (Universidad de Alicante and Universidad de Granada), **Luis C. Corchón** (Universitat Pompeu Fabra), and **Bernardo Moreno*** (Universidad de Alicante and Universidad de Málaga).

Learning and Implementation on the Internet, **Eric J. Friedman*** (Rutgers University) and **Scott Shenker** (Xerox PARC).

Repeated Implementation, **Ehud Kalai** (Northwestern University) and **John O. Ledyard*** (California Institute of Technology).

13B. **Opportunities/Freedom of Choice**, Curtis 157, 9:00 - 10:40

Chair: **Yongsheng Xu** (University of Nottingham)

On the Axiomatic Approach to Freedom of Choice: An Algebraic Characterization Result, **Ruvin Gekker** (University of Wales, Aberystwyth).

Preference for Flexibility and Freedom of Choice in a Savage Framework, **Klaus Nehring** (University of California at Davis).

Diversity and Similarity of Options: A Metric of Opportunity, **Klaus Nehring*** (University of California at Davis) and **Clemens Puppe** (University of Bonn).

Opportunity and the Extent of Choice: Another View of Effective Freedom, **Sebastiano Bavetta** (Università di Palermo and London School of Economics).

13C. **Power Indices**, Curtis 169, 9:00 - 10:40

Chair: **Steven J. Brams** (New York University)

Bringing Cooperative Game Theory Back In: Institutions and Intergovernmentalism in the European Union, **Madeleine O. Hosli** (University of Michigan).

A Class of Relational Power Measures for Digraph Competitions, **René van den Brink*** (Tilburg University), **Peter Borm** (Tilburg University), and **Marco Slikker** (Tilburg University).

13D. **Growth and Welfare**, Curtis 177, 9:00 - 10:40

Chair: **Robert Gary-Bobo** (THEMA and Université de Cergy-Pontoise)

Complementarity, Growth and Welfare in Open Economies, **Seppo Honkapohja** (University of Helsinki) and **Arja Turunen-Red*** (University of New Orleans).

Public Policies and Education, Economic Growth and Income Distribution, **Günther Rehme** (Technische Universität Darmstadt and European University Institute).

Sustainable Development and Social Welfare, **Werner Hediger** (ETH—Swiss Federal Institute of Technology).

Break 10:40 - 11:00

14A. **Rights and Freedoms**, Curtis 102, 11:00 - 12:15

Chair: **Laura Razzolini** (University of Mississippi)

On Rights in Game Forms, **Marc Fleurbaey** (THEMA and Université de Cergy-Pontoise) and **Martin van Hees*** (University of Twente).

More on Preferences and Freedom, **Antonio Romero-Medina** (Universidad Carlos III de Madrid).

14B. **Division and Rationing Problems**, Curtis 157, 11:00 - 12:15

Chair: **François Maniquet** (FNRS, CORE, and Facultés Universitaires Notre-Dame de la Paix, Namur)

The Separability Principle in Economies with Single-Peaked Preferences, **Youngsub Chun** (Seoul National University).

A Characterization of the Constrained Equal-Loss Solution in Bankruptcy, **Carmen Herrero*** (IVIE and Universidad de Alicante) and **Antonio Villar** (IVIE and Universidad de Alicante).

Partition Ratios, Pareto Optimal Cake Division, and Related Notions, **Julius Barbanel** (Union College).

14C. **Voting Rules III**, Curtis 169, 11:00 - 12:15

Chair: **Michel Truchon** (Université Laval)

Elementary Geometry of Voting, **Donald G. Saari** (Northwestern University) and **Fabrice Valognes*** (GEMMA-CREME, Université de Caen).

Breaking Cycles Consistently, **William Zwicker** (Union College).

Scoring Run-off Paradoxes for Variable Electorate, **Dominique Lepelley** (Université de Caen) and **Vincent Merlin*** (Université de Caen).

14D. **Externalities**, Curtis 177, 11:00 - 12:15

Chair: **Alison Watts** (Vanderbilt University)

Collective Decisions and Competitive Markets, **Hans Gersbach** (University of Heidelberg) and **Hans Haller*** (Virginia Polytechnic Institute and State University).

The Core of an Economy with a Common Pool Resource: A Partition Function Form Approach, **Yukihiko Funaki*** (Waseda University) and **Takehiko Yamato** (Tokyo Metropolitan University).

The R&D Free-Rider Problem in Oligopoly with Spillovers, **Ken-Ichi Shimomura** (Osaka University and California Institute of Technology).

Lunch 12:15 - 1:45

Meeting of the Council of the Society for Social Choice and Welfare, Curtis 177, 12:20 - 1:30

15A. **Inequality Decomposition**, Curtis 102, 1:45 - 3:00

Chair: **Michael Hoy** (University of Guelph)

Linear Inequality Concepts and Social Welfare, **Udo Ebert** (Carl von Ossietzky Universität Oldenburg).

A General Class of Additively Decomposable Inequality Measures, **James F. Foster*** (Vanderbilt University) and **Artyom Shneyerov** (Northwestern University).

Inequality Decomposition Values, **Frédéric Chantreuil*** (INRA-Grignon) and **Alain Trannoy** (THEMA and Université de Cergy-Pontoise).

15B. **Prospect Theory**, Curtis 157, 1:45 - 3:00

Chair: **Guofu Tan** (Hong Kong University of Science and Technology and University of British Columbia)

A Simple Axiomatization of Rank-Dependent Utility and Cumulative Prospect Theory with Constant Proportional Risk Aversion, **Peter Wakker** (Leiden University Medical Center and CentER, Tilburg University) and **Horst Zank*** (Universiteit Maastricht).

Framing, and Judgments of Fairness in Taxation, **Stefan Traub** (Christian-Albrechts-Universität zu Kiel).

Testing Editing Phases, **Christian Seidl** (Christian-Albrechts-Universität zu Kiel).

15C. **Social Aggregation**, Curtis 169, 1:45 - 3:00

Chair: **Jerry S. Kelly** (Syracuse University)

Permutation Invariant Consensus Methods, **Richard Cramer-Benjamin** (University of Massachusetts at Amherst), **Gary D. Crown** (Wichita State University), and **Melvin F. Janowitz*** (University of Massachusetts at Amherst).

Notes on Weak Pareto Variants of Harsanyi's Social Aggregation Theorem, **Henri Patrice Nzitat** (GEMMA-CREME, Université de Caen).

15D. **Endogeneity in Elections II**, Curtis 177, 1:45 - 3:00

Chair: **Matthew O. Jackson** (California Institute of Technology)

On the Membership of Decision-Making Committees, **George Bulkeley** (University of Exeter) and **Gareth D. Myles*** (University of Exeter).

Voting for Voters: A Model of Electoral Evolution, **Salvador Barberà*** (Universitat Autònoma de Barcelona), **Michael Maschler** (The Hebrew University of Jerusalem), and **Jonathan Shalev** (CORE, Université Catholique de Louvain).

Strategic Candidacy in Committee Voting, **Bhaskar Dutta*** (Indian Statistical Institute, Delhi Centre), **Matthew O. Jackson** (California Institute of Technology), and **Michel Le Breton** (GREQAM-LEQAM, Université de la Méditerranée, and Institut Universitaire de France).

Break 3:00 - 3:20

16A. **Social Choice with Interpersonal Comparisons**, Curtis 102, 3:20 - 4:35

Chair: **David Donaldson** (University of British Columbia)

Social Welfare Functionals on Restricted Domains and in Economic Environments, **Georges Bordes** (LARE and Université Montesquieu Bordeaux IV), **Peter J. Hammond*** (Stanford University), and **Michel Le Breton** (GREQAM-LEQAM, Université de la Méditerranée, and Institut Universitaire de France).

Social Choices with Independent Norm Levels, **Bertil Tungodden** (Norwegian School of Economics and Business Administration).

Nash Social Choice Orderings, **Elena Yanovskaya** (St. Petersburg Institute for Economics and Mathematics).

16B. Coalition Formation, Curtis 157, 3:20 - 4:35

Chair: **Myrna Holtz Wooders** (University of Toronto)

Coalition Formation in General NTU Games, **Anke Gerber** (Universität Bielefeld).

Externalities and Free Trade Agreements, **Fritz Grafe** (Universidad del País Vasco-Euskal Herriko Unibertsitatea) and **Ana Mauleon*** (Universidad del País Vasco-Euskal Herriko Unibertsitatea).

Core in a Simple Coalition Formation Game, **Suryapratim Banerjee** (Boston University), **Hideo Konishi*** (Southern Methodist University and Boston University), and **Tayfun Sönmez** (University of Michigan).

16C. Voluntary Contributions Games, Curtis 169, 3:20 - 4:35

Chair: **Theodore C. Bergstrom** (University of California at Santa Barbara)

Discrete Contributions to Continuous Public Goods with Pareto-Improving Strategic Transfers, **Yusen Sung** (National Taiwan University).

Rotten Kids, Purity and Perfection, **Richard C. Cornes*** (Keele University) and **Emilson C. D. Silva** (University of Oregon).

Free-Riding and the Provision of Public Goods in the Family: An Experimental Test of the Rotten Kid Theorem, **H. Elizabeth Peters** (Cornell University), **Ali Sinan Ünür*** (Cornell University), **Jeremy Clark** (University of British Columbia), and **William D. Schulze** (Cornell University).

16D. Majority Rule, Curtis 177, 3:20 - 4:35

Chair: **Dominique Lepelley** (CREME, Université de Caen)

On Generalized q -Majority Rule, **József Mala** (Budapest University of Economics).

Ordering Pareto Optima Through Majority Rule, **Hervé Cres*** (HEC School of Management) and **Mich Tvede** (University of Copenhagen).

Break 4:35 - 4:45

Presidential Address, Curtis 101/102/201, 4:45 - 5:45

Chair: **William Thomson** (University of Rochester)

Random Priority: A Probabilistic Resolution of the Tragedy of the Commons, **Hervé Moulin** (Duke University).