

## 10 Years Game Theory and Management (GTM)

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The International Conference Game Theory and Management (GTM) started in 2007 and after takes place every year in Saint-Petersburg State University (Russia). In this paper we will present the list of plenary speakers of this conference during last 10 years and show some photos of plenary speakers.

### GTM 2007

1. Robert Aumann (Hebrew University, Israel) and Roberto Serrano (Brown University, Providence, USA) *"An Economic Index of Riskiness"*
2. Dean Foster and Sergiu Hart (Hebrew University, Israel) *"An Operational Measure of Riskiness"*
3. David W. K. Yeung (Hong Kong Baptist University, Hong-Kong) and Leon A. Petrosyan (St. Petersburg University, Russia) *"Managing Catastrophe-bound Industrial Pollution with Game-theoretic Algorithm: The St. Petersburg Initiative"*
4. Georges Zaccour (HEC Montreal, Canada) *"Differential Games in Marketing Channels"*

The proceedings of the conference are published in: "Contributions to Game Theory and Management", L.A. Petrosyan & N.A.Zenkevich eds., Vol.1, 2008, 565 p.



Robert Aumann



Sergiu Hart



Leon A. Petrosjan



Georges Zaccour

**Fig. 1.** Plenary speakers of GTM 2007

**GTM2008**

5. Tamer Basar (University of Illinois at Urbana-Champaign, USA) "*Hierarchical Games and Reverse Engineering*"
6. John F. Nash (Princeton University, USA) "*Research on the Problem of Evaluating Cooperative Games; the Method of Agencies and the Search for Confirmation through Model Variants*"
7. Geert J. Olsder (Delft University of Technology, the Netherlands) "*Be the Boss*"
8. Leon A. Petrosyan (St. Petersburg University, Russia) "*Stable Cooperation*"
9. David W. K. Yeung (Hong Kong Baptist University, Hong-Kong) "*Cooperative game-theoretic Mechanism Design for Optimal Resource Use*"

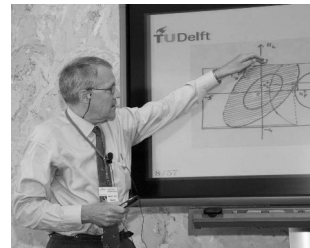
The proceedings of the conference are published in : "Contributions to Game Theory and Management", L.A. Petrosyan & N.A. Zenkevich eds., Vol. 2, 2009, 514 p.



Tamer Bazar



John F. Nash



Geert J. Olsder



David W. K. Yeung

**Fig. 2.** Plenary speakers of GTM 2008**GTM2009**

10. Pierre Bernhard (Nice Sophia Antipolice University, France) "*Nonzero-sum Dynamic Games in the Management of Biological Systems*"
11. Dmitry A. Novikov (Institute of Control Sciences RAS, Russia) "*Reflexive Games: Theory and Applications*"
12. Reinhard Selten (University of Bonn, Germany) "*Incomplete Equilibrium*"
13. Myrna Wooders (Vanderbilt University, USA) "*Games with many players as models of large economies*"

The proceedings of the conference are published in : Contributions to Game Theory and Management, L.A. Petrosyan & N.A. Zenkevich eds., Vol.3, 2010, 486 p.



Pierre Bernhard (fifth from the left)

Dmitry A. Novikov (second from the left)

Reinhard Selten

**Fig. 3.** Plenary speakers and other participants of GTM 2009

### GTM2010

14. Alain Haurie (University of Geneva, Switzerland) "*A Piecewise Deterministic Game Model for International GHG Emission Agreements*"
15. Herv Moulin (Rice University, USA) "*Clearing Supply and Demand under Bilateral Constraints*"
16. Ralph Tyrrell Rockafellar (University of Washington, USA) "*Coherent Modeling of Risk in Optimization under Uncertainty*"
17. Arkady Kryazhimskiy (Steklov Institute of Mathematics RAS, Russia) "*Market Equilibrium in Negotiations and Growth Models*"

The proceedings of the conference are published in : "Contributions to Game Theory and Management", L.A. Petrosyan & N.A. Zenkevich eds., Vol. 4, 2011, 514 p.

### GTM2011

18. Vladimir V. Mazalov (Institute of Applied Mathematical Research, KRC RAS, Russia) "*Bargaining Models and Mechanism Design*"
19. Roger B. Myerson (University of Chicago, USA) "*Sequential equilibria of games with infinite sets of types and actions*"
20. Jörgen W. Weibull (Stockholm School of Economics, Sweden) "*Robust set-valued prediction in games*"
21. Shmuel Zamir (The Hebrew University, Israel) "*Extending the Condorcet Jury Theorem to a general dependent jury*"
22. Martin Shubik (Yale University, USA) "*The Present and Future of Game Theory*"

The proceedings of the conference are published in : "Contributions to Game Theory and Management", L.A. Petrosyan & N.A. Zenkevich eds., Vol.5, 2012, 412 p.



Alain Haurie

Herv Moulin

Ralph Tyrrell Rockafellar

Arkady Kryazhimskiy

**Fig. 4.** Plenary speakers of GTM 2010**GTM2012**

23. Michele Breton (HEC Montreal, Canada) *"Borrowing and lending: two sides of the financing game"*
24. Josef Hofbauer (University of Vienna, Austria) *"Deterministic Evolutionary Game Dynamics"*
25. Sylvain Sorin (Polytechnic University, Paris, France) *"Recent advances in zero-sum dynamic games"*
26. Ehud Kalai (Northwestern University, USA) *"Cooperation in Strategic Games revised"*
27. Sergey Aseev (Steklov Mathematical Institute RAS, Moscow, Russia) *"The Pontryagin maximum principle for infinite-horizon problems and its applications in economics"*

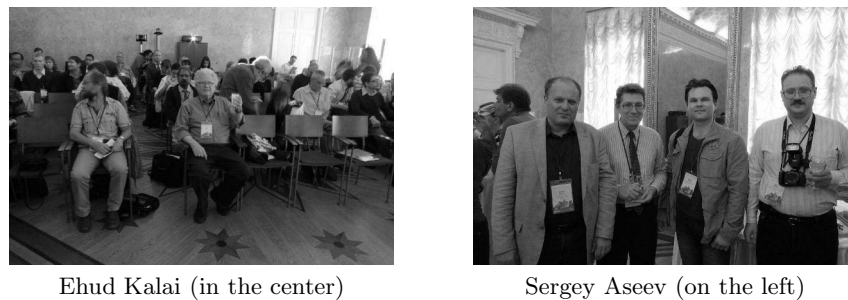
The proceedings of the conference are published in : "Contributions to Game Theory and Management", L.A. Petrosyan & N.A. Zenkevich eds., Vol.6, 2013, 458 p.

**GTM2013**

28. Finn Kydland (University of California, Santa Barbara, USA) *"On dynamic games"*
29. Bernard De Meyer (Universit Paris 1, Panthon-Sorbonne, France) *"Risk aversion and price dynamics on the stock market"*
30. Burkhard Monien (Paderborn University, Germany) *"The complexity of computing equilibria"*
31. Leon Petrosyan (St. Petersburg University, Russia) *"Time-consistent and strategically supported cooperation in dynamic games"*



**Fig. 5.** Plenary speakers and other participants of GTM 2011



Ehud Kalai (in the center)

Sergey Aseev (on the left)

**Fig. 6.** Plenary speakers and other participants of GTM 2012

The proceedings of the conference are published in : "Contributions to Game Theory and Management", L.A. Petrosyan & N.A. Zenkevich eds., Vol.7, 2014, 438 p.

#### GTM2014

32. Guillermo Owen (Naval Postgraduate School, Monterey, California, USA) "*A game-theoretic approach to networks*"
33. Steffen Jørgensen (University of Southern Denmark, Denmark) "*Recent Developments in Lanchester Advertising Differential Games*"
34. Abraham Neyman (The Hebrew University of Jerusalem, Israel) "*Robust equilibria of continuous-time stochastic games*"
35. Fuad T. Aleskerov (High School of Economics, Moscow, Russia) "*Power in groups: theory and applications*"



Finn Kydland

Bernard De Meyer

Burkhard Monien

**Fig. 7.** Plenary speakers of GTM 2013

The proceedings of the conference are published in : "Contributions to Game Theory and Management", L.A. Petrosyan & N.A. Zenkevich eds., Vol.8, 2015, 366 p.



Guillermo Owen

Steffen Jørgensen (on the right)

Abraham Neyman

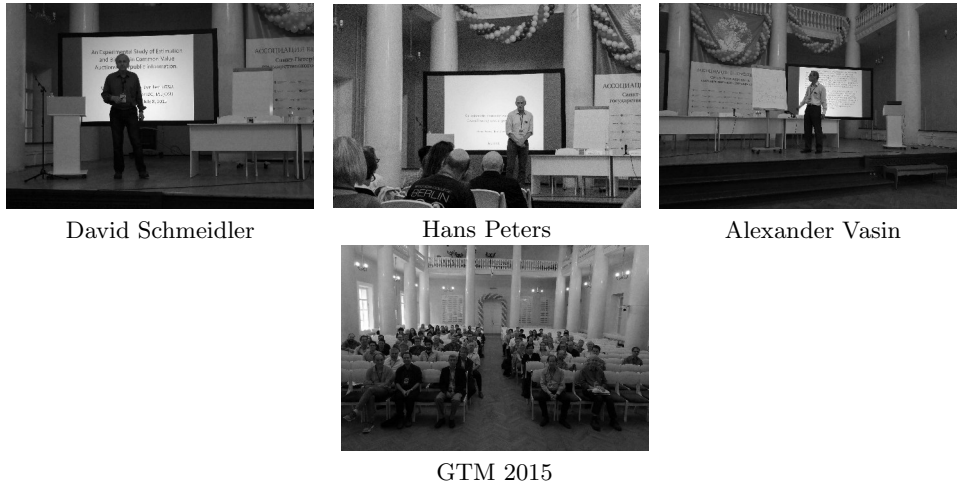
GTM 2014

**Fig. 8.** Plenary speakers and other participants of GTM 2014

### SING11 - GTM2015

36. David Schmeidler (School of Mathematical Sciences Tel Aviv University, Israel) "*Experimental Study of Estimation and Bidding in Common-Value Auctions with public information*"
37. Hans Peters (Department of Quantitative Economics, University of Maastricht, Netherland) "*An axiomatic characterization of the Owen-Shapley spatial power index*"
38. Alexander Vasin (Operations Research Department, Moscow State University, Russia) "*Auctions of Homogeneous Goods: Game-Theoretic Analysis*"
39. Georges Zaccour (Department of Management Sciences, HEC Montreal, Canada) "*Durable Agreements in a Class of Stochastic Games*"

The proceedings of the conference are published in : "Contributions to Game Theory and Management", L.A. Petrosyan & N.A. Zenkevich eds., Vol.9, 2016, 385 p.



**Fig. 9.** Plenary speakers and other participants of SING11-GTM 2015

#### **GTM2016**

40. Jean-Jacques Herings (School of Business and Economics, Maastricht University, The Netherlands) "*Equilibrium and Matching under Price Control*"
41. Eric Maskin (Department of Economics, Harvard University, USA) "*Elections and Strategic Voting: Condorcet and Borda*"
42. Eilon Solan (School of Mathematical Sciences, Tel Aviv University, Israel) "*Multiplayer Stochastic Games: Techniques, Results, and Open Problems*"
43. Alexander Tarasyev (Department of Dynamic Systems, IMM, RAS, Ekaterinburg, Russia) "*Decompositional Algorithms for Construction of Control Strategies in Dynamic Games*"

The proceedings of the conference are published in : "Contributions to Game Theory and Management", L.A. Petrosyan & N.A. Zenkevich eds., Vol.10, 2017, 376 p.



Eric Maskin



Eilon Solan



Alexander Tarasyev



Leon Petrosyan, Eric Maskin, Nikolay Zenkevich, Jean-Jacques Herings, Eilon Solan

**Fig. 10.** Plenary speakers and other participants of GTM 2016