



ECONOPHYS - KOLKATA IV

International Workshop on

Econophysics of Games and Social Choices

Monday (March 9, 2009) – Morning Session

Venue: Seminar Room 1, New Academic Building, Indian Statistical Institute

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| 09:30 a.m. – 10:30 a.m. | Registration |
| 10:30 a.m. – 11:15 a.m. | Inauguration – Welcome address by Prof. J. K. Ghosh Followed by Tea |
| 11:20 a.m. – 12:00 noon | Speaker – Robin Stinchcombe (Univ. Oxford, UK) Topics – “Economics of coupled stochastic markets” |
| 12:05 p.m. – 12:45 p.m. | Speaker – Satya Ranjan Chakravarty (ISI-Kolkata, India) Topics – “Inequality and Polarization: An Axiomatic Approach ,” (with Bhargav P. Bhattacharya) |
| 12:50 p.m. – 02:10 p.m. | Lunch |

Monday (March 9, 2009) – Afternoon Session

Venue: Seminar Room 1, New Academic Building, Indian Statistical Institute

- 02:15 p.m. – 02:55 p.m.** Speaker – Arnab Chatterjee (ICTP, Italy)
Topics – “On market crashes and granular economy,” (with Matteo Marsili)
- 03:00 p.m. – 03:40 p.m.** Speaker – Pradeep Kumar Mohanty (SINP- Kolkata, India)
Topics – “Modeling wealth distribution in growing markets,” (with Urna Basu)
- 03:40 p.m. – 04:40 p.m.** Tea and Poster Presentations
- 04:45 p.m. – 05:25 p.m.** Speaker – P.A. Markowich (Univ. Cambridge, UK)
Topics – “On a parabolic free boundary equation modeling price formation,” (with N. Matevosyan, J.-F. Pietschmann, and M.-T. Wolfram) **05:30 p.m. – 06:10 p.m.** Speaker – Sitabhra Sinha (IMSc. - Chennai, India)
Topics – “Playing games on graphs: Co-evolution of co-operative behavior and community structure in strategic games on social networks ,” (with Raj K. Pan)

Tuesday (March 10, 2009) – Morning Session

Venue: Seminar Room, Saha Institute of Nuclear Physics

- 10:40 a.m. – 11:20 a.m.** Speaker – Saikat Guha (BBN Tech., USA)
Topics – “Economic Applications of Quantum Information Processing” (with Tad Hogg, David Fattal and Kay-Yut Chen)
- 11:20 a.m. – 12:00 noon** Speaker – Abhirup Sarkar (ISI-Kolkata)
Topics – “On the Political Economy of a Backward Region”
- 12:00 noon – 12:30 p.m.** Tea
- 12:30 p.m. – 01:30 p.m.** Speaker – P.A. Markowich (Univ. Cambridge, UK)
Topics – Ramanujan Lecture

Thursday (March 12, 2009) – Morning Session

Venue: Seminar Room 1, New Academic Building, Indian Statistical Institute

- 10:30 a.m. – 11:10 a.m.** Speaker – Matteo Marsili (ICTP, Italy)
Topics 1 – “On Financial Weapons of Mass destruction”
- 11:15 a.m. – 11:55 a.m.** Speaker –B. Düring (Vienna Inst. Tech., Austria)
Topics – “Kinetic models for wealth distribution: Formation of steady states and relaxation behavior”
- 11:55 a.m. – 12:15 p.m.** Tea
- 12:15 p.m. – 12:55 p.m.** Speaker – Victor M. Yakovenko (Univ. Maryland, USA)
Topics – “Conservation laws, debt, and the current financial crisis: Lessons from statistical physics”
- 01:00 p.m. – 02:40 p.m.** Lunch

Thursday (March 12, 2009) – Afternoon Session

Venue: Seminar Room 1, New Academic Building, Indian Statistical Institute

- 02:45 a.m. – 03:25 a.m.** Speaker – Manipushpak Mitra (ISI-Kolkata, India)
Topics – “Strategyproof Mechanisms for Queueing Models with Multiple Non-identical Machines”
- 03:30 a.m. – 04:10 a.m.** Speaker –Sudhakar Yarlagadda (SINP-Kolkata, India)
Topics – “Many-player entangled state solutions in game theory problems ”
- 04:10 a.m. – 04:30 p.m.** Tea
- 04:30 p.m. – 05:10 p.m.** Speaker – Prasanta Panigrahi (IISER-Kolkata, India)
Topics – “Statistical Properties of Fluctuations: A Method to Check Market Behavior,” (with Sayantan Ghosh, P. Manimaran and Dilip P. Ahalpara)
- 05:15 p.m. – 05:55 p.m.** Speaker – Jun-ichi Inoue (Hokkaido Univ., Japan)
Topics – “Condensation phenomena and wealth re-distribution: Statistical-mechanical analysis of disordered urn models ,” (with Jun Ohkubo)

Friday (March 13, 2009) – Morning Session

Venue: Seminar Room 1, New Academic Building, Indian Statistical Institute

- 10:30 a.m. – 11:10 a.m.** Speaker - Vladimir I. Zverev (Moscow State Univ., Russia)
Topics 1 – “Many-player entangled state solutions in game theory problems,” (with A.M. Tishin)
- 11:15 a.m. – 11:55 a.m.** Speaker –V. Singh (TIFR, India)
Topics – “Monitoring the Teaching - Learning Process via an Entropy Based Index,” (with Praveen Pathak and Pratyush Pandey)
- 11:55 a.m. – 12:15 p.m.** Tea
- 12:15 p.m. – 12:55 p.m.** **(Lecture 1)** Speaker – B. Basu and K. Gangopadhyay (ISI-Kolkata, India)
Topics – “City size distribution in China: An anomaly”
(Lecture2) Speaker – B. Chakrabarti (SINP-Kolkata, India)
Topics – “Statistics for Kolkata Paise Restaurant Problem and Polya Urn Problem”
- 01:00 p.m. – 02:40 p.m.** Lunch

Friday (March 13, 2009) – Afternoon Session

Venue: Seminar Room 1, New Academic Building, Indian Statistical Institute

- 02:45 a.m. –** **Panel Discussion**