

Program

Monday, June 23

09.50-10.00: Opening

10.00-11.00: Bruce Hajek (University of Illinois at Urbana-Champaign) – Distributed content collection and rank aggregation

11.15-12.15: Ilze Ziedins (University of Auckland) – Selfish routing: Networks, games and individual choice

13.45-14.45: Johan van Leeuwen (Eindhoven University of Technology) – Many-sources asymptotics

15.00-16.00: Amy Ward (University of Southern California) – Staffing and incentives for strategic employees

16.15-17.15: Pitch talks for the poster session.

17.15– welcome reception.

Tuesday, June 24

09.30-10.30: Neil Walton (University of Amsterdam) – Proportional switching in FIFO networks

11.00-12.00: David Gamarnik (MIT) – Limits of local algorithms for random graphs

13.30-14.30: Adam Wierman (Caltech) – Electricity markets

14.45-15.45: R. Srikant (University of Illinois at Urbana-Champaign) – Resource allocation in clouds

16.00-17.00: Leonardo Rolla (Universidad de Buenos Aires) – Stability of the greedy algorithm on the circle

Wednesday, June 25

09.30-10.30: Jevgenijs Ivanovs (University of Lausanne) – Two coupled queues with independent input

10.45-11.45: Offer Kella (Hebrew University of Jerusalem) – Unifying the Dynkin and Lebesgue-Stieltjes formulae

12.00-13.00: Marc Lelarge (Ecole Normale Supérieure, Paris) – Community detection in stochastic block models via spectral methods

Thursday, June 26

09.30-10.30: Sem Borst (Bell Laboratories Alcatel-Lucent, and Eindhoven University of Technology) – Delays in wireless random-access networks

11.00-12.00: Andrés Ferragut (Universidad ORT, Uruguay) – Queueing and

fluid analysis of M/G processor sharing systems motivated by P2P networks
13.30-14.30: Dave Anderson (University of Wisconsin) – Stochastic models for biochemical reaction systems: Network properties, product-form stationary distributions, and extinction events
15.00-16.00: David Goldberg (Georgia Tech) – Recent progress at the intersection of inventory control and applied probability
16.30-17.30: Sandeep Juneja (Tata Institute of Fundamental Research, Mumbai) – Rare event simulation of heavy tailed random walks – A new approach

Friday, June 27

09.30-10.30: Haya Kaspi (Technion, Haifa) – An infinite-dimensional Skorohod map and continuous parameter priorities
10.45-11.45: Ton Dieker (Georgia Tech) – Resource capacity management for stochastic networks
12.00-13.00: John Tsitsiklis (MIT) – On the power of (even a little) resource pooling and flexibility