

Workshop on Networks and Control

Wednesday 5 July 2017

A workshop to mark the contributions of Malcolm Smith to the Control field in celebration of his 60th birthday

PROGRAMME

Lectures will be held in the Bateman Auditorium, Gonville and Caius College, Trinity Street, Cambridge, UK

9:15 **Registration and coffee** (The Bateman Room)

9:50 Welcome

CHAIR: TBC

10:00 **M. Vidyasagar**
(University of Texas at Dallas) *A new look at an old problem: Partial realization via compressed sensing*

10:25 **Shinji Hara**
(Chuo University, Japan) *Hierarchically Cooperative Control Towards "Wa" (Harmony)*

10:50 **Timothy Hughes**
(University of Cambridge) *A generating set for the class of series-parallel minimally reactive bicubic impedances*

11:15 **Coffee** (The Bateman Room)

CHAIR: TBC

11:45 **Yutaka Yamamoto**
(Kyoto University) *Tracking beyond the Nyquist frequency in sampled-data systems*

12:10 **Jason Jiang**
(University of Bristol) *Positive-real functions: regularity, essential regularity, and a structure-immittance format*

12:35 **Patrick Dewilde**
(Technische Universität München) *Emergent behavior (an attempt at synthesis between chaos theory and philosophy)*

13:00 **Lunch** (Gonville Court)

13:50 Group photograph

CHAIR: TBC

14:00 **Anders Rantzer**
(Lund University) *Adaptive control - What can we learn?*

14:25 **Michael Chen**
(Nanjing University of Science and Technology) *Recent advances in the inerter and its applications*

14:50 **Dick Glover**
(McLaren Applied Technologies) *Simulation and Control Topics at McLaren*

15:15 **Tea** (The Bateman Room)

CHAIR: TBC

15:45 **Glenn Vinnicombe**
(University of Cambridge) *Engineering robust oscillations in the cell*

16:10 **Tryphon Georgiou**
(University of California, Irvine) *Malcolm C. Smith, a third of a century in Systems, Control & Circuits: personal reminiscences and more*

16:45 CLOSE

Interval

18:00 Concert by Gonville and Caius Chapel Choir (Chapel)

18:40 Preprandial drinks (Gonville Court)

19:30 Conference Banquet (Hall)

21:30 Postprandial drinks (Senior Combination Room)

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