THE HONG KONG UNIVERSITY OF SCIENCE AND TECHNOLOGY

Department of
Electronic & Computer Engineering

The 23rd International Symposium on Mathematical Theory of Networks and Systems

MTNS 2018
July 16-20, 2018
The Hong Kong University of Science and Technology, Hong Kong

Call for Papers

The 23rd International Symposium on Mathematical Theory of Networks and Systems, MTNS 2018, will be held at the Hong Kong University of Science and Technology, Hong Kong, in July 2018. The symposium is organized every two years and traditionally covers areas involving a wide range of research directions in mathematical systems, networks and control theory. There is a wide range of applications ranging from biology, medical sciences, coding and communications, to chemical engineering, circuits, distribution networks, power systems, nanosystems, robotics, and mechatronics.

The topics of interest include, but are not limited to:

Ordinary and partial differential equations, dynamical systems, communication networks, coding theory, cyber-physical systems security, complex and functional analysis, numerical analysis, probability theory and stochastic analysis, operator theory, graph theory, linear and commutative algebra, as well as algebraic and differential geometry;

Modeling and control of complex systems, linear systems, robust control, nonlinear systems and control, system identification, fault detection and diagnostics, sensor networks, networked control, control over/of networks, control of smart power delivery systems, control of distributed generation systems, optimal control, discrete event systems, adaptive control, sensor/data fusion, state estimation and filtering, multi-agent systems.

Paper Submission:

Papers must be written in English and should describe original work in details. Please download the template from the conference website and submit the **full papers or extended abstracts** online at https://controls.papercept.net/conferences/scripts/start.pl by 7 February 2018. Upon acceptance, authors are required to register and present their papers at the conference. Papers which make outstanding contributions to the relevant topics will be considered for best paper awards.

Important Dates:

Invited Session and Mini-courses Proposal Deadline	20 January 2018
Initial Submission Deadline	*7 February 2018*
Notification of Acceptance	15 March 2018
Early Bird Registration Open	21 March 2018
Final Submission Deadline	15 April 2018

CONFERENCE PROGRAM

The program will include plenary and semi-plenary lectures, mini-courses, invited sessions and contributed talks. Proposals for mini-courses and invited sessions are explicitly solicited.

MINI-COURSES

In a mini-course a current area of interest is presented in a tutorial and coherent manner by a team of at most four speakers. A mini-course consists of 1 or 2 blocks, each consisting of a number of slots.

For further information, please refer to:
Website: mtns2018.ust.hk
Email: mtns2018@ust.hk

MTNS 2018 Website

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