Workshop and Symposium on

Mathematics in the Real world

‘Study Groups with Industry’ began in Oxford in 1968. They are now well-established in the United Kingdom, and internationally, as a model of academic-industry cooperation. At the Workshop, Professor Chris Budd will give an introduction to ‘Study Groups with Industry’, followed by a mini-Study Group with sample problems. Students and researchers in areas related to mathematics and engineering, and anyone with an interest in academic-industry cooperation, are warmly invited to take part. The Symposium will focus on applications of mathematics in the ‘real world’, with an emphasis on problems arising in present-day society.

Workshop Registration: Participants in the mini-Study Group are strongly advised to register in advance (see "Workshop Registration" at http://www.eee.tmu.ac.jp/mem/). Lunch will be provided to all participants whose registration has been confirmed by the GP Office.

SCHEDULE

Keynote Speech and Workshop: Thursday, February 18
Room 101, Building No. 12 (Minami-Ohsawa Campus)

Speaker: Chris Budd (Professor of Applied Mathematics at the University of Bath; Director of the Bath Institute for Complex Systems; Professor of Mathematics at the Royal Institution of Great Britain)

10:00-10:05 Opening remarks
10:05-10:45 Keynote Speech: Introduction to “Study Groups with Industry”
Chris Budd (School of Mathematical Sciences, University of Bath)

*** Break ***
11:00-17:00 Workshop
11:00-12:00 mini-Study Group (part 1)

*** Lunch and refreshments ***
13:00-15:00 mini-Study Group (part 2)

*** Refreshments ***
15:30-17:00 mini-Study Group (part 3)
17:00-18:00 mini-Banquet

Student presentations and Symposium: Friday, February 19
Conference Room of International House (Minami-Ohsawa Campus)

10:00-12:00 GP Student presentations

*** Lunch and refreshments ***
13:30-17:30 Symposium on "Mathematics in Engineering"

13:30-13:35 Opening remarks
13:40-14:40 "Confessions of an industrial mathematician"
Chris Budd (School of Mathematical Sciences, University of Bath)

*** Refreshments ***
15:00-16:00 "Simple and handy mathematics: cellular automata, life game"
Daisuke Furutaka (Cybermedia Center, Osaka University)

*** Refreshments ***
16:30-17:30 "Jamology: traffic jam of self-driven particles"
Katsuhiro Nishinari (Research Center for Advanced Science and Technology, University of Tokyo)

*** Discussion and and refreshments ***
Closing remarks

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