

AMSS-PolyU Joint Research Institute Symposium

Bäcklund and Reciprocal Transformations in Modern Soliton Theory



Dates : May 24th – May 25th 2011

Times : 9:00 a.m. – 6:00 p.m.

Venue : Room AG710, The Hong Kong Polytechnic University

This symposium is to celebrate the award to Professor Colin Rogers of the 2011 Hannan Medal of the Australian Academy of Science with the citation

Colin Rogers has made major contributions in the detection of hidden invariance and symmetry properties in nonlinear mathematical systems descriptive of complex physical processes. He is recognized as a leading world authority on Bäcklund and reciprocal type transformations and has demonstrated their extensive application in nonlinear continuum mechanics in such diverse areas as elasticity, magnetogasdynamics, liquid crystal and soliton theory.

<http://www.science.org.au/awards/awardees/2011awards.html>

Professor Rogers graduated from the University of Oxford in 1963 and received his PhD from the University of Nottingham in 1969 with a thesis on the application of Bäcklund and reciprocal-type transformations in gasdynamics and magnetogasdynamics. He received a D.Sc in 1991 from the University of Nottingham for his published research. He has held Professorships at the University of Waterloo, Canada, Loughborough University of Technology, UK and latterly at the University of New South Wales, Sydney, Australia where he was a Head of the Department of Applied Mathematics. He is currently Chair Professor of Engineering Mathematics at PolyU. He has held Visiting Professorships at the University of Cambridge, Georgia Institute of Technology, the Centre de Recherches Mathématiques at the Université de Montréal, Università di Roma and Università di Bologna. He was a recipient of the Australian Government Centennial Medal in 2003 and is a Fellow of the Institute of Physics (UK) and of the Australian Academy of Science.

Invited Speakers:

Sandra Carillo, Università di Roma, Italy
 Chaohao Gu, Fudan University, Shanghai, China
 Ben Yu Guo, Shanghai Normal University, China
 Hesheng Hu, Fudan University, Shanghai, China
 Xing-Biao Hu, Chinese Academy of Sciences, Beijing, China
 Yehui Huang, Tsinghua University, Beijing, China
 Nail Ibragimov, Blekinge Institute of Technology, Sweden
 Q.P. Liu, China University of Mining and Technology, Beijing, China
 S.Y. Lou, Shanghai Jiao Tong University & Ningbo University, China
 Jon Nimmo, University of Glasgow, Scotland, UK
 Wolfgang Schief, University of New South Wales, Sydney, Australia
 Michael Stallybrass, Georgia Institute of Technology, Atlanta, USA
 Adam Szereszewski, University of Warsaw, Poland
 Zixiang Zhou, Fudan University, Shanghai, China

Symposium Website: <http://www.polyu.edu.hk/ama/events/conference/BRT2011>

Enquiries: Eva Yiu, Symposium Secretary (email: maevayiu@inet.polyu.edu.hk)

