INTRODUCTION

The International Conference on Numerical Analysis and Optimization will be held in Sultan Qaboos University (SQU), Muscat, Oman on January 5-9, 2014. This is the 3rd conference in a series organized every three years, with previous ones held in 2008 and 2011. The Conference will be organized by the Department of Mathematics, College of Science, SQU, Oman.

The purpose of the conference is to bring together worldwide experts to give presentations on novel and advanced applications in their latest work in engineering, science and medicine to facilitate cross-fertilization among various key sectors of pure scientific and applied knowledge. Hopefully, the conference will become the place where prominent scientists, worldwide experts and active researchers gather and meet to stimulate the communication of new innovative ideas and knowledge on new scientific methodologies, promote scientific exchange and discuss possibilities of further cooperation, networking and promotion of mobility of senior and young researchers and research students.

The sponsors of the conference include SQU, The Research Council of Oman, ICTP (Italy), AMPL, and other expected sponsors.

INVITED SPEAKERS

PAUL ARMAD, CNRS et Université de Limoges, France
MARIDA BERTOCCHI, Bergamo University, Italy
OLEG BURDAKOV, Linkoping University, Sweden
JOHN BUTCHER, University of Auckland, New Zealand
ANDREW R. CONN, IBM Research Center, USA
YU-HONG DAI, Chinese Academy of Science, China
JACQUES DESROSIERS, HEC Montreal and GERAD, Canada
IAIN DUFF, Rutherford Appleton Laboratory, UK
JOHN FORD, Essex University, UK
MICHAEL HINTERMULLER, Humboldt-Universitaet zu Berlin, Germany
NEZAM MAHDAVI-AMIRI, Sharif University, Iran
DOMINIQUE ORBAN, Ecole Polytechnique de Montreal, Canada
AMIYA KUMAR PANI, Indian Institute of Technology Bombay, India
MARTIN REED, University of Bath, UK
PETER RICHTARIK, University of Edinburgh, UK
CORNELIS ROOS, Delft University of Technology, The Netherlands
MICHAEL SAUNDERS, Stanford University, USA
EMILIO SPEDICATO, Bergamo University, Italy
BRIAN STRAUGHAN, University of Durham, UK
TAMAS TERLAKY, Lehigh University, USA
EKKEHARD W. SACHS, University of Trier, Germany
HONG WANG, University of South Carolina, USA
ANDREW WATHEN, Oxford University, UK
YINYU YE, Stanford University, USA

CALL FOR PAPERS

Abstracts should contain the title of the contribution, the name and affiliation of the authors, and the address for correspondence, including e-mail. The abstract should not exceed 1200 words. Samples of abstracts in Latex and Word formats are available at www.nao2014.com. The Organising Committee will communicate with the author about the acceptance of his/her contributions to the conference.

REGISTRATION FEE

The registration fee is USD 200 (with a 50% discount for students) which covers the full conference package with conference proceedings, admission to all the technical sessions, opening and closing ceremonies, daily lunch and refreshments, airport transfer and certificate of attendance. The registration fee does not include accommodation during the conference period.

CONFERENCE TOPICS

Many real-world complex problems can be formulated as optimization tasks. Such problems are characterized as large-scale, unconstrained, constrained, non-convex, non-differentiable, and discontinuous, and therefore require adequate computational methods, algorithms, and software tools. The list of topics of the conference will include the following, but are not limited to:

- Numerical Optimization
- Numerical Linear Algebra
- Numerical Differential Equations
- Optimal Control
- Applied Mathematics
- Algorithms and Software Developments
- Programming Models
- Challenging Applications in Science and Engineering
- Technology and Industries

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IMPORTANT DATES

Deadline for abstract submission
28th November 2013
Deadline for registration
12th December 2013
Conference dates
5–9th January 2014

FURTHER INFORMATION

Dr. Mehiddin Al-Baali
NAOIII-2014 Conference
Department of Mathematics and Statistics
Sultan Qaboos University
P.O. Box 36, Al Khoudh PC 123
Muscat, Sultanate of Oman

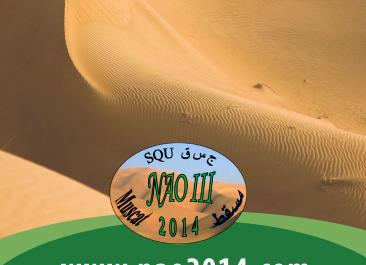|	
PHONE	+986 24141421
MOBILE	+986 92669753
FAX	+986 24413415
EMAIL	albaali@squ.edu.om
	naoiii2014@squ.edu.om
	naoiii2014@gmail.com

The Third International Conference on

Numerical Analysis and Optimization

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Sultan Qaboos University
Muscat, Oman

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