



**Bilkent University, Ankara, Turkey**  
**22 – 24 August 2011**

### **A Message from the General Chair**

*The 3rd International Conference on Control and Optimization with Industrial Applications (COIA 2011)* will be held at Bilkent University in Ankara, Turkey, during 22—24 August, 2011. The conference provides a forum where engineers, scientists and mathematicians from academia, industry and government organizations can meet to share ideas on recent advances in all disciplines of science and engineering involving control and optimization.

First two versions of COIA were held in Baku, Azerbaijan, in 2005 and 2008 with participation of scientists and engineers from more than 15 different countries. Following this international tradition, COIA 2011 participants will have a chance to hear 86 oral presentations (including 6 plenary talks) whose authors are from 18 different countries, mostly from Turkey, Azerbaijan, and their neighboring countries, but also many from Belgium, France, Germany, India, Japan, and USA. The plenary speakers, E. Arıkan (TR), M. Konstantinov (BG), Y. Ohta (JP), P. Petkov (BG), M. Vidyasagar (USA) and Y. Yamamoto (JP) are internationally recognized distinguished researchers. Contributed papers to be presented cover a wide range of area including systems, control theory and optimization, as well as applications in signal processing, communications, networks, information security, oil industry, and energy and power systems.

As co-organizers, Bilkent University and the Ministry of Communication and Information Technologies of the Republic of Azerbaijan, have provided the main financial support for COIA 2011. Partial funding comes from The Scientific and Technological Research Council of Turkey (TÜBİTAK) and GATE Elektronik.

I would like to thank honorary chairs of the COIA, Prof. Ali Abbasov, Minister of Communication and Information Technologies of the Republic of Azerbaijan, and Prof. Tamer Başar of University of Illinois at Urbana-Champaign, for giving the opportunity to organize the 2011 edition of this conference at Bilkent University. I would also like to thank Prof. Fikret Aliev, Director of The Scientific Research Institute of Applied Mathematics of Baku State University, for his help at all stages of the organization. Many other colleagues have contributed to the conference organization; please see the names listed in the “Committees” section of the conference web page <http://www.ee.bilkent.edu.tr/~coia2011/>. I am indebted to invited speakers as well as the authors and presenters of the contributed papers who make COIA 2011 a high quality scientific meeting.

Prof. Dr. Hitay Özbay,  
General Chair of COIA 2011

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