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## ANNOUNCEMENTS

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### *First Announcement*

#### **The 4th Congress of the Turkic World Mathematical Society (TWMS)**

**Baku, Azerbaijan**

**5-7 July 2011**

The Turkic World Mathematical Society (TWMS) will hold its 4th Congress in July 5-7, 2011 in Baku Azerbaijan. The aim of the Congress is to provide a forum where scientists and mathematicians from academia and industry can meet to share ideas of latest research work in all branches of pure and applied mathematics. The first TWMS Congress was held in 1999 in Firat University, Elazig, Turkey, the second- in 2007 in Sakarya University, Adapazari, Turkey, the third- in 2009 in al-Faraby Kazakh National University, Almaty, Kazakhstan. Selected papers will be published in "TWMS Journal of Pure and Applied Mathematics". Detailed instructions for paper submission will be posted on the conference web site: [www.TWMSC2011.com](http://www.TWMSC2011.com).

Conference TOPICS include (but not limited to):

- Algebra and Mathematical Logic
- Geometry and Topology
- Function Theory and Functional Analysis
- Partial and Ordinary Differential Equations
- Probability Theory and Mathematical Statistics
- Computational Mathematics
- Control Theory and Optimization
- Mathematical Modeling
- Theoretical Bases of Information Technologies
- History and Teaching methods of Mathematics.

#### **Important Dates:**

Abstract Submission deadline: May 01, 2011

Author Notification: May 30, 2011

For further information please contact to: [info@twmsc2011.com](mailto:info@twmsc2011.com), [S\\_secretary@twmsc2011.com](mailto:S_secretary@twmsc2011.com).

***First Announcement*****The 3rd International Conference on Control and Optimization with Industrial Applications - COIA 2011****Bilkent University, Ankara, Turkey  
22-24 August 2011**

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 (one week before the IFAC World Congress in Milano, Italy). The conference will provide 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. Latest industrial applications of the control and optimization theory will be presented in thematic special sessions. Selected papers will be published in *Applied and Computational Mathematics* (ISSN 1683-3511) indexed in Scopus and in Science Citation Index Expanded. Detailed instructions for paper submission will be posted on the conference web site: <http://www.ee.bilkent.edu.tr/coia2011>. Conference topics include (but not limited to):

- Numerical Methods in Optimization (dynamic, convex, quadratic, integer, nonlinear and stochastic programming techniques; inverse problems)
- Control Theory (linear, nonlinear, distributed parameter, large scale, fuzzy, discrete event, hybrid and networked systems; classical PID, adaptive, robust, stochastic, decentralized and optimal control methods; modeling and system identification; fault detection)
- Applications of Control and Optimization in various fields
  - : signal processing (audio, image and video processing; sensor fusion; data mining; applications in biomedical systems, radar, sonar, military electronics and earth sciences);
  - : information theory and telecommunications;
  - : networks (computer, communication, sensor, biological and social);
  - : mechatronics, robotics and manufacturing systems o logistics, transportation and vehicle systems;
  - : chemical process control (mining, metal and oil industry; bio-systems; pharmaceuticals);
  - : power systems (power generation and distribution);
  - : social systems (economic and business systems; international relations);

Social events will include conference banquet, visits to old Ankara and Museum of Anatolian Civilizations. Additionally, pre and post conference tours to Cappadocia and Istanbul will be organized depending on the demand.

**Important Dates:**

Extended Abstract Submission: February 15, 2011 Author Notification: April 30, 2011

Early Registration and Submission of the Final Extended Abstract: May 31, 2011

For further information please contact to the secretariat: [coia2011@ee.bilkent.edu.tr](mailto:coia2011@ee.bilkent.edu.tr)