



The Sixth Global Conference on Power Control & Optimization



6-8 August 2012, Las Vegas, USA

Organizing Committee

Nader Barsoum, Australia
 David Faiman, Israel
 Jeffrey Webb, UK
 Pandian Vasant, Malaysia
 Rami Hikmat Fouad, Jordan
 Rabi W Yousif, Iraq

Steering Committee

Liron Yedidsion, Israel
 Ivan Zelinka, Czech Republic
 Gerhard W. Weber, Turkey
 Dragica Vasilevska, USA
 Nikolai I. Voropai, Russia
 Mingcong Deng, Japan
 Sermsak Uatrongjit, Thailand
 Adil Bagirov, Australia

International Program Committee

Janos Sebstyen, Hungary
 Gianfranco Rizzo, Italy
 Alexis Polycarpou, Cyprus
 Wolfgang Borutzky, Germany
 Habił Jiří Jaromír Klemeš, Hungary
 Vitezslav Benda, Czech Republic
 Cvetco Andreeski, Macedonia
 Celso Ribeiro, Brazil
 Dan Geiger, Israel
 Raymond Perrault, USA
 Musa Mammadov, Australia
 Igor Tyukhov, Russia
 Weerakorn Ongsakul, Thailand
 Erik Kropat, Germany
 Anatoly Yagola, Russia
 Davor Skrlec, Croatia
 Wei Xu, U.K
 Milorad Bojic, Serbia
 Igor Papic, Slovenia
 Zoran S. Filipi, USA
 Felix A. Blyakhman, Russia

Welcome to PCO 2012 LAS VEGAS

It is our great pleasure to announce the sixth Global Conference on Power Control and Optimization PCO 2012, which will be held in Monte Carlo Hotel, Las Vegas, USA, from 6 – 8 August, 2012. The conference is technically sponsored by Springer, Elsevier, Inderscience and AIP, and organized by the PCO Corporation (IPO285080), Malaysia 2008. The scope of the conference is contemporary and original research and educational development in the area of electrical power, control systems, computation, nanoscience, communications, biomedicine, and methods of optimization. The Topics of the conference include, but are not limited to, the following:

- Hybrid energy saving and biotechnology
- Future energy planning and the environment
- Power systems, protection and reliability
- Scheduling, distribution and chaos
- Micro-grids, bond graph theory and stability
- Controllers, drives and machine design
- Smart systems, mechatronics and robotics
- Nano physics, NEMS and MEMS
- Simulators and software engineering
- Soft computing and computational intelligence
- Fuzzy and hybrid optimization
- Healthcare, bioinformatics, signal processing
- Body sensors, monitoring and medical devices
- Artificial immune systems and neural networks
- Game theory and continuous optimization
- Evolutionary algorithms and economics
- Operational research and management
- Industrial Informatics and planning
- Production design and rough sets
- Line searches, pattern and decision making
- Mobile and wireless communications
- Cloud networks and real-world energy efficient
- Scheduling and assignment problems
- Engineering education, teaching and learning
- Cams, gears and valve optimization
- Civil structures and micro-transportation

Prospective authors from universities or institutes and industries are invited to submit an abstract and paper by email before the deadline. Papers should be submitted electronically, formatted in MS-Word, as per the PCO guidelines. All papers submitted before the deadline will be peer reviewed by independent specialists following guidelines similar to IEEE. The PCO-12 proceeding will be published online by American Institute of Physics (AIP). Selected papers will be published by Elsevier, Springer, InderScience, Taylor Frances or in GJTO (Global Journal of Technology and Optimization).

Tutorial/Special Sessions/Workshop

Proposal for holding tutorials/special sessions, and workshop are invited from prospective authors, industrial bodies and academicians and should be sent to the conference Chair. The program committee is currently looking for financial sponsors from academia, industry, publishers, and professional bodies.

Important Dates

Submission of abstract: 06/04/12, Notification of abstract acceptance: 20/04/12
 Submission of full Paper: 06/05/12, Notification of full paper acceptance: 20/05/12
Camera-ready Paper: 20/06/12 **Final submission: 06/07/12**
Early Registration with Full Payment: 06/06/12

Conference Fee

The early registration fee is **US\$ 500.00** for all participants, while late registration is **US\$ 650**. This includes attendance for the three days of the Conference, a program booklet, a CD of the proceedings, tea breaks, and a banquet dinner. The fee is discounted by **US\$ 150** for students or those accompanying a participant. The registration form must be submitted before the deadline to: pcoglobal@gmail.com. Each accepted abstract or paper must be presented by one of the authors after paying the necessary fee.

Technical Sponsors

