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Institute of Control and Economics
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Department of Process Control
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Editors: Radim FARANA, Lubomír SMUTNÝ & Marek BABIUCH

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Foreword

The department of Control Systems and Instrumentation from the Faculty of Mechanical Engineering VŠB – TU Ostrava is organizing the 7th International Carpathian Control Conference – ICCC'2006 in cooperation with partner faculties from Poland, Slovakia, Hungary and Romania.

The aim of the conference is to support the exchange of information and experience in the field of automation in engineering and production, in research, applications and education. The conference will enable the presentation of the most recent advances in automation, robotics, control of production and technological processes, including quality control systems oriented on the environment, means of support, and information technologies.

ICCC conferences demonstrate every year their solid position at large selection of science-research events with an international range and with a special reputation even on a social level. The ICCC conference has been markedly a sign of our times as an effective platform for the meeting of teachers, science co-workers and Ph.D. students with specialists from industrial companies and other institutions. Two parts of ICCC are organized in the year 2006, the first one is a Student Competition – **STOČ 2006** as a Student Workshop (27th April in Ostrava) and the second – the main part is the International Carpathian Control Conference – **ICCC'2006** at Beskydy – Rožnov por Radhoštěm, hotel Relax.

The goals of ICCC'06 are to present of R&D project results, the reciprocal interchange of participant's information and experience, and the retrieval of possibilities for cooperation on common projects, mainly with Ph.D. students. The next goal of this conference is to introduce the wider specialized public, experts and scientific workers from universities, research institutions, industry, design and supply organisations to the most up-to-date information from the areas of automation, measuring, diagnostic and control systems, program systems for control, SCADA/HMI systems, CAD, and other areas, and to provide an exchange of experience.

The main topics of ICCC'06, in nine sessions, are:

1. Measurement, sensors, monitoring and diagnostic systems.
2. Identification, modelling and simulation of processes and systems.
3. Theory and application of control systems.
4. Automation, mechatronics, robotics
5. Intelligent embedded systems and instrumentation
6. Information systems (SCADA/HMI, GIS, MES) and their Internet support.
7. Engineering application of informatics.
8. Quality control systems (TQM), production management and industrial logistics.
9. Engineering education in Control and Computer systems.

The new line of international conferences ICCC was established in the year 2000 (ICCC'00 Podbánské, ICCC'01 Krynica, ICCC'02 Malenovice) in cooperation with partner technical universities – TU Košice (faculty BERG), AGH Cracow (faculty FMIR) and VŠB-TU Ostrava (faculties FME and MGF). The University of Miskolc has been included in the second conference circle (ICCC'03 Tatranská Lomnica, ICCC'04 Zakopane, ICCC'05 Miskolc-Lillafüred, ICCC'06 Rožnov pod Radhoštěm). This migratory action will be periodically held by co-operating faculties from Poland, Slovakia, Czech Republic, Hungary and Romania and we hope that in the next few years also in further countries.

We welcome all participants of ICCC'06 to the surroundings of the lovely Beskydy Mountains below the mountain Radhošť and we hope that the agenda and spirit of the conference will be gratifying and friendly for everybody.

Prof. Dr. RNDr. Lubomír SMUTNÝ
Chairman of ICCC'06

Doc. Dr. Ing. Vladimír KEBO.
President of Int. Program Committee

Beskydy – Rožnov pod Radhoštěm, May 29, 2002

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Declined reviews	7
Without answer	13

2 Papers

Total number of papers	163
Reviewed papers	163

3 Results

Every paper has been sent to two independent reviewers.

Obtained reviews 233

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Evaluation	Recommended session	Number
VERY-HIGH	PLENARY SECTION	4
GOOD	PLENARY SECTION	1
VERY-HIGH	LECTURE SECTION	25
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