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2003 International Conference on Control, Automation, and Systems (ICCAS 2003)

October 22-25, 2003 Gyeongju TEMF Hotel, Gyeongju, KOREA

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ICCAS 2003 will be held at the Gyeongju TEMF Hotel (KyoYuk MunHwa HoeKwan, http:// www.temf.co.kr) on October 22-25, 2003. Gyeongju is an ancient city of history, culture, and sightseeing, which attracts a lot of tourists from home and abroad. There are abundant national treasures throughout the city.

ICCAS 2003 will bring together researchers, engineers and practitioners to present the latest accomplishments, innovations, and potential future directions in control, automation, systems, and their applications. All the submitted papers must be written and presented in English. Organized Sessions (Special Sessions) are welcome. Papers are invited on all aspects of innovative theory and application aspects of control, automation, and systems. Topics include but are not limited to

■ Control Theory and Applications

- Linear/Nonlinear Control
- Adaptive/Robust Control
- Identification and Estimation

■ Control Devices and Instruments

- Power Electronics
- Hydraulic/Pneumatic Systems
- MEMS and Nano Technology

■ Sensors and Signal Processing

- Sensors and Instrumentation
- Signal Processing
- Fault Diagnosis

■ Intelligent Systems

- Artificial Neural Networks
- Fuzzy Systems
- Evolutionary Computation

■ Information and Networking

- Real-Time Systems
- Embedded Systems
- Network-based Control Systems

■ Manufacturing Systems and Automation

- Modeling and Simulations
- Factory Automation and CIM
 Automation Network

■ Process Systems

- Process Control and Monitoring
- Process Design and Optimization
- Process Automation

■ Industrial Applications

- Automotive Systems
- Power Systems
- Communication Systems

■ Navigation, Guidance and Control

- Navigation Algorithms
- Guidance Technologies
- GPS

■ Multimedia Systems

- Database
- Data Fusion
- Computer Animation

■ Robotics and Applications

- Robotic Systems and Control
- Robot Vision
- Virtual Reality

■ Biomedical Engineering Systems

- Biomedical Instrumentation
- Biomedical Signal Processing
- Bio-Systems and Control

Regular Paper Submission

Authors are invited to submit an extended abstract whose format can be found at http://iccas.org/. If authors have problems in submission through the homepage, please feel free to contact the secretariats.

Soon-Geul Lee (Kyung Hee Univ., Korea) Hyun-Chang Yang (ICASE, Korea)

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The extended abstract should include authors' names, addresses, affiliations, the name of a presenter, postal mail and e-mail address of the corresponding author, and phone/facsimile numbers. Important dates are as follows:

June 15, 2003 : Submission of extended abstracts and organized sessions

15, 2003 : Notification of paper acceptance July

August 15, 2003 : Submission of final camera-ready papers

Organized by

The Institute of Control, Automation, and Systems Engineers (ICASE), Korea

Sponsored by

The Korean Society of Mechanical Engineers (KSME)

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In association with

The Society of Instrument and Control Engineers (SICE) of Japan

The Chinese Association of Automation (CAA)

The Instrumentation, Systems and Automation Society (ISA)

The Chinese Association for Artificial Intelligence (CAAI)

Organized Sessions

The goal of organized sessions is to provide focused discussions on a new topic or innovative applications of a new approach. Proposals for organized sessions should be submitted by **June 15, 2003** to the Special Sessions Co-Chairs below. Each Invited Session consists of five or six papers, which will be reviewed via the normal review process. In case an invited paper is not accepted, it will be replaced by a relevant paper. The proposal should be submitted by the session organizer electronically, and include a brief statement of the focus of the session, along with the authors' names and titles of individual papers submitted.

Prof. Kwang Soon Lee (Sogang Univ., Korea) Prof. Tae-Woong Yoon (Korea Univ., Korea)

Workshops and Tutorials

Requirements for Proposals

Proposals for workshops or tutorials that address the technical topics related to control, automation, and systems in general are welcome. We encourage such programs that will attract industrial members, and programs with highly anticipated level of interest, impact, creativity and technical background of presenters.

Proposal Format

- 1. Title
- 2. Extended abstract (500-1000 words, indicate full or half day, workshop or tutorial)
- 3. Organizer(s) (name, complete address, affiliation, phone, and e-mail)
- 4. Confirmed presenters (lecturers) with affiliations
- 5. List of contents (topics) with presenters

Submission

Proposals following the format above must arrive at the address below through e-mail by June 15, 2003.

Prof. Jin Young Choi (SNU, Korea) Dr. Seung-Gap Choi (POSCO, Korea)

Exhibition

There will be an exhibition site at the conference. During the conference, the exhibition will be held in the same building where many leading companies in control and automation fields from all over the world will exhibit their products. Reservations for space and further information can be obtained from

Prof. Jin Bae Park (Yonsei Univ., Korea) Prof. Dong-Soo Kwon (KAIST, Korea)

TEL: +82-2-2123-5123 TEL: +82-42-869-3042

E-mail: jbpark@yonsei.ac.kr E-mail: kwonds@me.kaist.ac.kr

Gyeongju Guide (http://www.gyeongju.gyeongbuk.kr/)

Gyeongju City and its surroundings have inherited traces of the glory that flowered and withered in the ancient Silla Kingdom (57 B.C. - A.D. 935). The center of the town and its suburbs contain many royal burial mounds and Buddhist remains that preserve this apogee of art and culture. Excavations continue to reveal the buried secrets of this enchanted city. Major tour sites are introduced below.

Bulguksa Temple, built with a combination of stylish architecture, Buddhist spirit and natural surroundings, symbolizes Buddha's land on earth. The stone layers harmonize perfectly with the different structures, such as the several halls and the statues of Buddha within them. It was built in 751 and restored to its original condition in 1973. It was designated as the UNESCO Cultural Heritage in 1995.

Seokgulam Grotto is a man-made cave carved from white granite using special sculpting techniques. The main figure in the grotto is a seated Buddha. On the walls surrounding him are 38 other Bodhisattvas, disciples, Dharma-protectors and the Four Heavenly Kings. This stone grotto is one of Korea's greatest masterpieces. It was designated as the UNESCO Cultural Heritage in 1995.

Cheonmachong, Tomb of King of Silla with 11,526 pieces of treasures, was excavated in 1973 after one thousand years. The value and splendor of the treasures are considered the best until now. You can look around the interior of the tomb.

Gyeongju National Museum, a thorough integration of one thousand years of Silla, exhibits 2,500 pieces of treasures including < Bell of Great Seongdeok > and stores around a hundred thousand treasures.

Cheomseongdae is an astronomical observatory established at the Queen Seondeok's era. It is the oldest stone construction in Asia.

Bomun Lake Resort, with about sixty acres of space, has many leisure activities available throughout the year, including golf, cruise boats, row boats, and biking.