



Final Call for Papers

2009 International Symposium on Intelligent Unmanned System

June 17~19, 2009

Int. Convention Center JEJU, Korea

Organized by

- Artificial Muscle Research Center, Konkuk University (Korea)
- National Research Laboratory for Biomimetics and Intelligent Microsystem, Konkuk University (Korea)
- Unmanned Aerial Vehicle & Software Fusion Research Center(ITRC)
- Institute of Bio-inspired Structure and Surface Engineering, Nanjing University of Aeronautics and Astronautics (China)
- Center for Unmanned System Studies, Institut Teknologi Bandung (Indonesia)

Sponsored by

- Division of Bio Engineering, the Korean Society of Mechanical Engineers (Korea)
- Artificial Muscle Research Center, Konkuk University (Korea)
- Unmanned Aerial Vehicle & Software Fusion Research Center(ITRC)

ABOUT THE EVENT

The International Symposium on Intelligent Unmanned System (ISIUS) 2009 is jointly organized by Konkuk University (KU), Institute Teknologi Bandung (ITB), and Nanjing University of Aeronautics and Astronautics (NUAA). The joint-event is the 5th conference, extending from International Conference on Emerging System Technology (ICEST) in 2005, International Conference on Technology Fusion (ICTF) in 2006, both held in Seoul, and International Conference on Intelligent Unmanned Systems (ICIUS) in 2007 hosted in Bali. Last year in 2008, NUAA hosted the ISIUS 2008 as a joint conference with International Symposium on Nature-Inspired Technology (ISNIT) 2008 for the first time. The objective of ISIUS 2009 is to share recent progress in intelligent unmanned systems among researchers and engineers in the world. It will provide an international forum to present and discuss the state-of-the-art intelligent unmanned systems. We are pleased to invite you to submit papers and attend ISIUS 2009. The ISIUS 2009 will be co-located with the ISNIT 2009 in Jeju, South Korea.

TOPICS OF INTEREST

The main theme of the conference is areas of intelligent unmanned systems, focusing on flying, mobile, and swimming robots with smart sensors, artificial muscle actuators, and intelligent microsystems.

Actuators/Smart Sensors and Their Applications:

Advancement and application of new class of artificial muscle actuators and related materials, smart MEMS/NEMS sensors, vision sensors, etc

Intelligent Biomimetic and Unmanned Systems: Design and applications of micro/small flying robots, intelligent ground/underwater robots, and biomimetic robots, etc.

Control Theories and Their Applications: Development and application of various control theories, distributed or decentralized control methods, distributed and embedded systems, precision motion control, swarm operation, etc

ABOUT SUBMISSION AND JOURNAL PUBLICATION

Authors are invited to submit original research papers. All the submitted papers will be peer-reviewed according to the editorial policies of Journal of Bionic Engineering (SCIE), Chinese Science Bulletin (SCI) and Indian Journal of Marine Sciences (SCIE). Selected papers will be published in the journals. Please send your abstract to the symposium secretariat, Professor Agus Budiyo at agus@konkuk.ac.kr

TENTATIVE SCHEDULE

Feb. 15, 2009	Deadline for abstract (300 words)
Mar. 15, 2009	Notification for acceptance
Apr. 15, 2009	Deadline for manuscript, early bird registration, and hotel registration
Jun. 17-19, 2009	Symposium

ORGANIZATION

General chair

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REGISTRATION (to be announced)

Students (U\$150, KW150,000)
All others (U\$300, KW350,000)

Keynote speakers

We have invited keynote speakers for both ISIUS 2009 and ISNIT 2009 as follows. The keynote speech will give you overviews of leading-edge research on biomimetics and unmanned systems.

Kenny Breuer, Professor, Brown University, USA
"The Aeromechanics of Bat Flight"

Sanjay Sane, Assistant Professor, National Research Center for Biological Sciences, India
"On flies and flows: Aerodynamics and sensory control in insect flight"

MinJun Kim, Assistant Professor, Drexel University
"Microbiorobotics for locomotion and manipulation at low Reynolds number"

Zhendong Dai, Professor, Nanjing Aeronautics & Astronautics University (under confirmation)

Bambang Riyanto, Associate Professor, Institut Teknologi Bandung, Indonesia
"Biologically Inspired Computing in Control"

How to get to Hotel Hana, Jeju

Direct connection to Jeju from Incheon International Airport (ICN), South Korea

When you plan to directly fly to Jeju (CJU) from ICN, you can use a transit counter at ICN. You need to ask for the location of the transit counter after you arrive at ICN.

There are only a few direct flight to CJU from ICN, mostly on Friday and Sunday. Currently Asiana Airlines OZ8551 (Friday, 8:00), Asiana Airlines OZ8551 (Sunday 10:30), and Korean Air KE1423 (Sunday 15:30) are available. Please check your flight schedule to make sure that your flight from ICN to Jeju is a direct flight at ICN.

For more information, please visit http://www.airport.kr/iacms/pageWork.iaa?_scode=C1204060000&fake=1233195403870.



(Location of ICN & Jeju)

Connection flight to Jeju from Gimpo Domestic/International Airport (GMP), South Korea

Most flights to Jeju are connected at GMP. If your connection flight is departing from GMP, then you have to move to GMP domestic terminal from ICN. You can reach GMP by buses in front of gates 6B and 13A. The buses to "Gimpo Airport" have numbers of 6003, 6004, 6008 and 60014. It will take about 35 minutes and costs KW5,000. If you have any problem to locate the buses, please find an information desk with the question mark symbol (?) inside ICN terminal.

After arrival at Jeju

Hotel Hana is located at Seoguipo, the second largest city in Jeju. To get there, you can either take a long-distance taxi or a limousine bus to Seoguipo (number 600, 50 min. KW3,900) outside Jeju International/Domestic Airport (CJU) terminal. Please refer to the plane view of Jeju International/Domestic Airport below.

You can find more information on Hotel Hana at http://www.hotelhana.co.kr/html/eng/in_010.asp.



(Plane view of Jeju Airport)



(Map of Jeju Island)

For more information on Jeju island, please visit <http://english.jeju.go.kr/>