

International Symposium on Nature-Inspired Technology 2008 (ISNIT 08)

October 12-13, Changchun; 14-18, Nanjing, P. R. China



Organized by

- ✧ Institute of Bio-inspired Structure and Surface Engineering, Nanjing University of Aeronautics and Astronautics (NUAA, China)
- ✧ Division of Bio Engineering, the Korean Society of Mechanical Engineers (KSME, Korea)
- ✧ Key Laboratory for Terrain-Machine Bionics Engineering of Ministry of Education, Jilin University (JLU, China)
- ✧ Tribology Institution of Chinese Mechanical Engineering Society (CMES, China)
- ✧ BK21 Mechatronics Group, Chungnam University (CNU, Korea)

Important Dates

- ✧ **Apr. 15, 2008: Deadline for abstract**
- ✧ **May 15, 2008: Notification of acceptance**
- ✧ **July 30, 2008: Deadline for full manuscript**
- ✧ **Oct. 1, 2008: Deadline for registration**
- ✧ **Oct.12-13, 2008: Conference in Changchun**
- ✧ **Oct.14-18, 2008: Conference in Nanjing**

About the Conference

Saving energy and resource, protecting the environment and implementing sustainable development are problems to be faced by all humans. The evolution and struggle for existence, over the last 3.5 billion years, of biological systems have made the NATURE obtained the multifunctional surface textures, the high ratio of strength/mass and stiffness/mass by optimizing the topological materials and structures, the sensitive apperception abilities, the simple, effective and redundancy information processing abilities, and the agility and maneuver locomotion modes. Those

advantages have become un-exhaustible resources for man to obtain new ideas to solve problems. Biomimetics, or bio-inspired technology, reveals the mystery of biological systems by employing the new methods and tools, which were invented by the fast development of information and control technology, mechanical and electrical engineering. Nature-inspired science and technology has become an interdisciplinary area which integrates life sciences, materials sciences, robot technology, information technology, mechanical engineering, tribology, and other related subjects.

The purpose of the international conference ISNIT 08 is to bring together researchers and engineers to present and discuss their ideas and recent works related to the various aspects of bio-inspired science and technology.

The ISNIT 08 will be co-located with the International Symposium on Intelligent Unmanned System 2008.

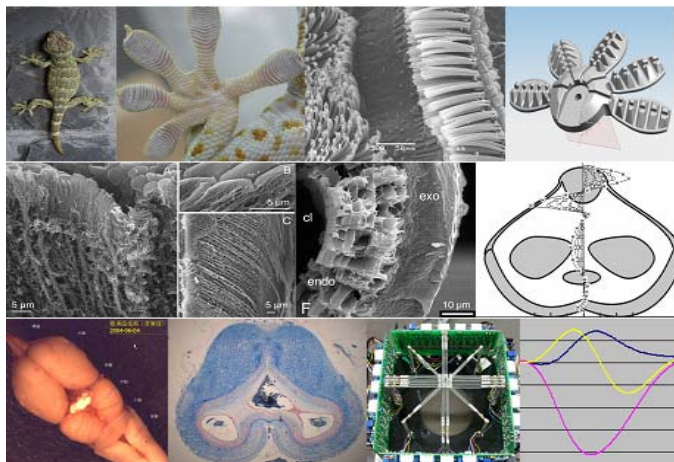
Topics of Interests

The topics of ISNIT include, but are not limited to:

- ✧ **Biological foundations of bio-inspired technology**



- ✧ **Biomimetics in Locomotion and Bionic Robot Technology**
- ✧ **Biological Multifunctional Surface and Bionic in Surface Engineering**
- ✧ **Neuro-informatics and Biological robot**
- ✧ **Environmental Feeling and Bionic Sensor Technology**
- ✧ **Structure, Performance, and Bionic Composite Materials Technology**
- ✧ **Research method and new instrument for bio-inspired science and technology**



Submissions and Publications

Papers should be written in English and describe original work. Submitted papers will be either reviewed or published (after acceptance).

Upon acceptance, at least one of the authors of the paper must register for the conference in order for the paper to be included in the proceedings.

Selected outstanding papers will be published in SCI/EI cited journals such as *Chinese Science Bulletin* (SCI cited), *Progress in Natural Science* (SCI cited), *Journal of the Korean Physical Society* (SCI cited), *Journal of Intelligent Materials and Microsystems*, and *Journal of*

Bionic Engineering (EI cited).

Registration Fee

Registration fees will cover coffee breaks, lunches, dinners, proceedings, etc. The registration fee will be announced soon.

Academy Advisors

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Wen SZ (China)

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Co-chair Vincent J (U. of Bath, UK)

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Secretary

Guo C (Program), Guo DJ (Program)

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About Nanjing

Nanjing is the capital of Jiangsu Province and the center of its commerce, politics, and culture. Its position on the south bank of the Yangtze River makes it one of the most delightful cities in China. Nanjing served as the capital for ten dynasties throughout China's history and its name literally means "Southern Capital." The cultural heritage of Nanjing is rich and includes many historical sites, memorials, and museums seamlessly woven into the urban fabric of the modern city.



For more information, visit the web page at <http://www.nju.gov.cn/english/index.asp>

About Huangshan Mountain

Huangshan Mountain is one of China's ten best-known scenic spots.

For more information, visit the web page at <http://www.uhuangshan.com/english/hsinfo.htm>