

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](#).