

# 1st International Congress on Biosystem Science and Engineering with International Conference on Endocrinology and Molecular Morphogenesis, the International Co

[Alex M. Andrew](#)

[Kybernetes](#)

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1st International Congress on Biosystem Science and Engineering with International Conference on Endocrinology and Molecular Morphogenesis, the International Co  
*1st ICBSE, Beijing, 21-27 October 2001*

The Secretary-General of the 1st ICBSE has contacted *Kybernetes* (via e-mail: [zeng@tzv.fal.de](mailto:zeng@tzv.fal.de)) to invite readers to participate in this important conference and to offer their cooperation in its organization. Dr Bangzhe J. Zeng's message reads:

The First International Conference on Biosystem Science & Engineering (1st ICBSE), with the International Conference on Endocrinology & Molecular Morphogenesis, the International Conference on Transgenic Animals & Bio-Logic Engineering will be held in Beijing on 21-27 October 2001. During the congress, the World Association for Biosystem Science & Engineering (WABSE) will be initiated by the organization committee of WABSE. So far, the National Symposium and International Conference on Transgenic

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Animals (ICTA) were successfully organized by the CTGAA (Chinese Transgenic Animal Association) and CICCST (China International Conference Center for Science and Technology). During those occasions, a number of scientists joined actively in academic discussions and exchange of views on transgenic animals. Since the first ICTA, we are planning to establish the International Union of Transgenics which will be one union of WABSE. We are making efforts to tie up with scientists, engineers on the research of biosystem science and engineering and to promote the combination of molecular biology with computer engineering in the aspects of transgenics and bionics.

Biosystem science and engineering be explored in the fields of biosystem models and model biosystems from molecules, cells, organs to ecosystems. Since the physiology concept of stability model and the genetic discovery of gene, the system theory, cybernetics and bionic engineering, computer science and molecular biology, genetic engineering has been developing in parallel very rapidly. We believe that in the future, biomolecular computers and artificial organisms will be created for human benefits. So, we are now planning the First International Congress on Biosystem Science and Engineering (1st ICBSE), with the International Conference on Endocrinology and Molecular Morphogenesis, International Conference on Transgenic Animals and Bio-Logic Engineering in Beijing, 2001. The purpose of this conference is to exchange ideas and report research results on the transgenics, bionics and molecular biology of organism biosystem. We hope with sincerity that your organization and its members will join in with us to collaborate on this international conference. The financial support will be provided by the cooperation of trustees and companies for the WABSE Foundation establishment. This conference is intended to embrace both academic discussion and bioindustrial exhibition. Paper transcriptions, abstracts and brief introduction of companies will be formally published by press house in an issue of *Structurality Bulletin*. The project of this conference is Molecular Genetic Fundamentals of Biosystem Patterns behind Transgenic, Biologic Engineering Applications, and the conferences/symposiums sections of this congress will include the follow topics:

- (1) Neuro-endocrine, immune regulation and signal transduction;
- (2) Oscillation and gene expression of development;
- (3) Cell cycle, differentiation, proliferation and apoptosis;
- (4) Gene cloning, recombination and transgenesis;
- (5) Gene therapy and transgenic organisms for bioreactor, donor of organ;
- (6) Biochip, DNA nanotechnology and biomolecular computation;
- (7) Protein engineering and peptide libraries;

(8) Evolution and logic of genetic self-organization;

(9) Artificial life and bioinformatics of transgenic bionic engineering.

**Alex M. Andrew***(Internet Editor)*

Contact can also be made through: Ander Hohnhorst 11, 31535  
Neustadt a. Rbge., Germany. E-mail: [Bangzhi@hotmail.com](mailto:Bangzhi@hotmail.com); URL:  
<http://www.genbrain.net>



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