

International Conference on Bio-Nano-Information Fusion

July 20-22, 2005

Marina del Rey, CA, USA



<http://www.bnifusion.org>

Objectives

Nature has evolved extremely intelligent and complex adaptive systems for driving the processes of everyday life. These basic processes that occur at the molecular level have opened up a world where the integration of individual components can eventually derive higher-order functionalities, or emergent properties. This leads us towards a compelling approach by fusing biotechnology, nanotechnology, and information science. This conference aims to bring these researchers together to share their accomplishments in bio, nano and informatics technologies, as well as to explore the potential of BNI fusion. Topics in this area are welcome to submit for this conference.

Bio sciences/technologies

Nano science/technologies

Information science/technologies

Emergent functionalities

Nano-medicine

Micro/nano fluidics

Energy generation and conversion

Surface molecular property control

Nano/Micro Device fabrication

System integration

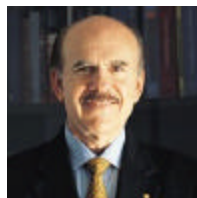
Venue

Located in the residential community of Marina del Rey across from the world's largest man-made harbor. The Marriott hotel is five miles from Los Angeles international airport.

Plenary Speeches

Opening Plenary Speech

Nitric oxide as a unique signaling molecule in biology



Louis Ignarro

Nobel Laureate in Medicine

July 21st, 2005

The history, culture, realities, and future of the Internet



Photo by Louis Bachmann

Leonard Kleinrock

A founding father of the Internet

July 22nd, 2005

Fascinating nano-carbon materials



Sumio Iijima

The inventor of Carbon Nanotubes

Invited Speakers

Jing Cheng, Beijing, China
Shmuel Einav, Tel Aviv, Israel
Masayoshi Esashi, Sendai, Japan
Christoph Gerber, Switzerland
Pelagia-Irene Gouma, Stony Brook, USA
Takehiko Kitamori, Tokyo, Japan
Eleni Kousvelari, Bethesda, USA
J. Raynien Kwo, Taiwan
Hoong-Chien Lee, Taiwan
Wen J. Li, Hong Kong, China
Corrado Di Natale, Rome, Italy
Pekka Neittaanmaki Jyvaskyla, Finland
Bradley Nelson, ETH Zürich, Switzerland
Hercules Pereira Neves, Belgium, Germany
Sven Oscarsson, Sweden, Switzerland
Pierre Puget Grenoble, France
Frank Schrodre-Oeynhausen, Münster Germany
Isao Shimoyama, Tokyo, Japan
Christofer Toumazou, London, England
Jorma Virtanen, Jyväskylä Finland
Ning Xi, Michigan, USA

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Important Dates

February 28, 2005 Extended abstract due

March 31, 2005 Notification of acceptance

