



# NanoTechnology: Science and Application

## [NanoTech Insight'05]

20-25 February 2005. Hilton Luxor. Luxor, Egypt  
[www.nanoinsight.net](http://www.nanoinsight.net)



### 🔗 Topics:

- Single molecules
- Self-assembly
- Bionanotechnology
- Nanomaterials (includes Carbon Nanotubes)
- Nanofabrication
- Supramolecular chemistry
- Molecular modeling and simulations at the nanoscale

### 🔗 Who Should Attend:

- Chemists
- Physicists
- Biologists
- Engineers
- Students
- Technology Transfer Professionals
- Strategic Planners
- Technology Managers
- Investors
- Investment Organizations
- Professionals from the Government sector
- Economic Development Representatives

### 🔗 Timeline:

- First Circular and call for papers (April 2004) // Second Circular (September 2004)
- 30 September 2004: Abstract submission deadline
- 22 October 2004: Abstract acceptance
- 29 October 2004: Early bird registration deadline
- 29 November 2004: Regular registration deadline
- 15<sup>th</sup> December 2004: Full reimbursement minus charges deadline
- 15 January 2005: Reimbursement minus 25% deadline
- 15 February 2005: Reimbursement minus 50% deadline
- Sunday the 20<sup>th</sup> of February 2005: Arrival, registration, and Conference mixer
- Monday the 21<sup>st</sup> of February 2005: Conference Start
- Friday the 25<sup>th</sup> of February 2005: Conference End

### International Scientific Advisory Committee:

- 🔗 Dr. Michel Aegerter: *Institute for New Materials (Saarbrücken, Germany)*; Prof. Dr. Chunli Bai: *The Chinese Academy of Sciences (China)*; Prof. Dr. Vincenzo Balzani: *Università di Bologna (Italy)*; Prof. Dr. Peter Bäuerle: *Universität Ulm (Germany)*; Prof. Dr. Christian von Borczyskowski: *Chemnitz University of Technology (Germany)*; Prof. Dr. Harald Fuchs: *Westfälische Wilhelms-Universität (Germany)*; Prof. Taekjip Ha: *University of Illinois (USA)*; Prof. Dr. Johan Hofkens: *Katholieke Universiteit Leuven (Belgium)*; Prof. Dr. Yoshihisa Inoue: *(Osaka, Japan)*; Dr. Rafik O. Loutfy: *Xerox Research Center of Canada (Canada)*; Prof. Dr. Max Lu: *University of Queensland (Australia)*; Prof. Dr. Hans Lüth: *Research Centre Jülich (Germany)*; Prof. Dr. Alfred Meixner: *Universität Siegen (Germany)*; Prof. Dr. Roeland J. M. Nolte: *University of Nijmegen (The*

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*Netherlands*); Dr. Ichiro Yamashita: *Advanced Technology Research Laboratories Panasonic (Kyoto, Japan)*;  
Prof. Dr. Paul Ziemann: *Universität Ulm (Germany)*

#### **Organisers:**

Prof. Dr. M. S. A. Abdel-Mottaleb  
*Photoenergy Center*  
*(Egypt)*

Dr. M. M. S. Abdel-Mottaleb  
*(Egypt)*

Prof. Dr. Entisarar El-Shobaky  
*(Egypt)*

Drs. Allana Haist  
*(Canada/Egypt)*

#### **Speakers: (as of June 30, 2004)**

Michel Aegerter (Saarbrücken, Germany)

*Electrochromic devices processed by chemical nanotechnologies. State of the art and issues. Low and high temperature processing of transparent coatings using suspensions of crystalline nanoparticles*

Thomas Basché (Mainz, Germany)

*To be announced*

Christian von Borczyskowski (Chemnitz, Germany)

*Selforganization of functionalized dye molecules on colloidal semiconductor nanoparticles: Photoinduced charge transfer and storage*

Alberto Credi (Bologna, Italy)

*Artificial molecular-level devices and machines*

Eric Garfunkel (Rutgers, USA)

*To be announced*

Hermann E. Gaub (LM München, Germany)

*To be announced*

Taekjip Ha (Illinois, USA)

*Porous Nano-containers for Single-Molecule Biophotonics*

Paul Hansma (California, USA)

*Lessons for New Nanotechnology from Nature's Nanotechnology*

Yoshihisa Inoue (Osaka, Japan)

*Photochirogenesis in Chiral Nanospace: An Entropy Control*

Roberto Lazzaroni (Mons, Belgium)

*To be announced*

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Max Lu (Queensland, Australia)

*Novel method of synthesis of mesoporous and nanocrystalline TiO<sub>2</sub> for dye-sensitized solar cells*

Hans Lüth (Research Centre Jülich, Germany)

*Semiconductor NanoDevices for Electronics*

Alfred Meixner (Siegen, Germany)

*Towards understanding and control of nanoparticle-enhanced spectroscopy*

Roeland J. M. Nolte (Nijmegen, The Netherlands)

*To be announced*

Antoine van Oijen (Harvard, USA)

*A single-molecule view of DNA replication*

Beng Ong (Xerox, Canada)

*From architecturally engineered nanoparticles to printed plastic transistor circuits: Gateway to low-cost, structurally inspiring electronics*

Alan E. Rowan (Nijmegen, The Netherlands)

*To be announced*

Ichiro Yamashita (Panasonic, Japan)

*Bio-Nano-Process; Making Nanoelectronics Devices Using Cage-shaped Protein*

Mark Welland (Cambridge, UK)

*To be announced*

Paul Ziemann (Ulm, Germany)

*The Selforganization of Metal-loaded Diblock-Copolymers: A Tool to Prepare Ordered Arrays of Metallic Nanoparticles*

#### **🚀 Venue:**

Lectures, the get-together party, registration and the conference office, will take place at the Hilton Hotel in Luxor, Egypt.

#### **🚀 Scientific Program:**

The scientific program is composed of: Plenary lectures (45 min), Keynote lectures (30 min), oral contributions (15-20 min), and posters. All abstracts submitted will be refereed by the Scientific Advisory Committee and based on their recommendations, the type of contribution will be announced if the abstract is accepted. This conference aims to promote the involvement of female researchers. Accordingly, all lecture placements will be based on the principle of gender equality.

#### **🚀 Social Program:**

Includes visits to Luxor and Karnak temples, the Colossus of Memnon, the tombs in the Valley of Kings (including Tutankhamun and Ramses tombs), Hatshepsut's Temple, Luxor Museum, Luxor bazaar, the chance to travel to Abu Simbal, among other opportunities. A detailed plan will be posted online closer to the date of the conference.



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- Post conference tour to Aswan: 350 euro/person\*\* (A three day/two night trip to Aswan, including accommodation and transportation from Luxor to Aswan, and visiting many of the historic sites on the road between the two cities)

\*for early bird registration please subtract 50 euro. After the normal registration deadline please add 50 euro.

\*\* Children under 16 are exempted from the accompanying person registration and are charged 50% for the post conference tour and the banquet.

#### *Please Note:*

Participants directly associated with institutes or universities in developing countries will be eligible for a 50% reduction on the registration fee. In addition, developing country nationals who are currently guest researchers at institutes or universities in Europe, Japan, Korea, Australia, Canada, or the USA are be eligible for a 25% reduction on the registration fee.

Countries which are considered as "developing" are defined by the World Bank's most recent list (<http://www.worldbank.org/data/countryclass/classgroups.htm>) of "low income" and "lower-middle income" countries.

#### **➤ Deadlines:**

Abstract submission deadline: 30 September 2004  
Abstract acceptance notification: 22 October 2004  
Early bird registration deadline: 29 October 2004  
Regular registration deadline: 29 November 2004

#### **➤ Cancellation policy (registration fees):**

Full reimbursement minus charges: 15 December 2004  
Reimbursement minus 25% 15 January 2005  
Reimbursement minus 50% 15 February 2005  
No reimbursement after 15 February 2005 (unless due to health or family emergencies: proof is required)

Note: This policy is only with regard to registration fees. Payment for accommodation and the post-conference tour will be reimbursed up to 24 hours before the participant's arrival date at the conference.

#### **➤ Contact:**

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