

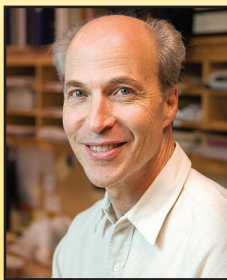
Nano Bio Clean Tech™

The 4th International Congress of Nanotechnology and Clean Tech World Congress

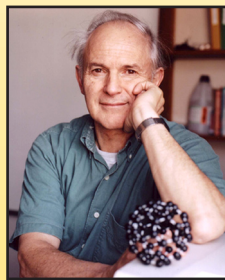
November 5-8, 2007 in San Francisco, California, USA



Keynote Speakers



Prof. Roger Kornberg
Nobel Laureate in Chemistry 2006



Sir Prof. Harry Kroto
Nobel Laureate in Chemistry 1996



Senator Leland Yee, Ph.D.
Senator of the State of California



<http://ianano.org>



<http://cleantechinstitute.org>



<http://cinano.com>

International Congress of Nanotechnology 2007

Conference Topics:

- * Nanomaterials
- * Nanodevices
- * Nanoelectronics
- * Nanobiotechnology
- * Nanomedicine
- * Nano Drug Delivery Systems
- * Nanotechnology in Semiconductor Industry
- * Nanotechnology in Aerospace
- * Nanotechnology in Biopharmaceutical Industry
- * Nanotechnology in Textile industry
- * Nanotechnology in Energy Industry
- * Nomenclature Terminology
- * International Standards
- * Nano Tools
- * Molecular Engineering
- * Nano Manufacturing
- * Nanoparticles Toxicology
- * Societal & Environmental Impacts
- * Health Safety Implications
- * Intellectual Property and Technology Transfer
- * Education & Workforce Training
- * Nanotech Initiatives in State, Federal, Regions and International Arena
- * Capital Funding and Grants for Start-up Ventures
- * and other related topics

Cleantech Congress 2007

Conference Topics:

- * Cleantech Business
- * Biofuels
- * Photovoltaic
- * Hydrogen
- * Fossil Fuels
- * Electric Car
- * Sustainable Energy Public Policy
- * Direct Thermal Energy Conversion
- * Electrochemical Conversion and Storage
- * Nanostructured Solar Cell Manufacturing
- * Intellectual Property
- * Commercialization
- * Venture capital investment

Speaking Opportunity

If you are interested in a speaking opportunity at an upcoming ICNT and Cleantech Congress 2007, please send us a copy of your abstract and a brief summary of your qualification and work experience. Please complete the [Speaker Profile Form](#).


Abstract Submission:

September 15, 2007

For further information, please visit [Abstract Submission](#)

To submit an abstract, please use the [Abstract Online Form](#)

INTERNATIONAL ASSOCIATION OF NANOTECHNOLOGY



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San Jose, CA 95126 USA
Tel: 408-277-3071
Fax: 408-293-9057
Email: info@ianano.org
<http://www.ianano.org>

We are a non-profit organization with the goals to foster scientific research and business development in the areas of Nanoscience and Nanotechnology for the benefit of society.

Program At-a-Glance

Monday November 5, 2007

8:00 AM-2:00 PM Workshop Registration
10:00 AM-5:00 PM Exhibitor Registration
11:00 AM-5:00 PM General Conference Registration
9:00 AM-5:00PM
* **Workshop 1:** Introduction to Nanotechnology
* **Workshop 2:** Carbon Nanotubes: Research, Manufacturing and Commercialization
* **Workshop 3:** Nanobiotechnology & Nanomedicine: an introduction
* **Workshop 4:** Thin Film Photovoltaic: Principle and Application in Solar Energy
* **Workshop 5:** Biofuel cells
* **Workshop 6:** Intellectual Property & Technology Transfer
Lunch on your own

Tuesday November 6, 2007

7:30 AM-4:00 PM Registration
7:30 AM-8:30 AM Breakfast
8:30 AM-12:00 PM General Sessions
Welcoming Remarks from the Program Chair
Keynote
Invited Lectures
12:15 PM-1:30 PM Lunch in Reception Area
Poster Presentation
Breakout Sessions
1:30 PM-5:00 PM
Track A: Nanomaterials
Track B: Nanoelectronics
Track C: Nanomedicine
Track D: Environmental Health & Safety
Track E: Professional Development Training
Business Re-Engineering
Track F: "Train the Trainer"
5:15 PM-6:30 PM Poster/RECEPTION

Wednesday November 7, 2007

7:30 AM-4:00 PM Registration
7:30 AM-8:30 AM Breakfast
8:30 AM-12:00 PM General Sessions
Keynotes
Invited Lectures
12:15 PM-1:30 PM Lunch in Reception Area
Breakout Sessions
1:30 PM-5:15 PM
Track A: Nanomaterials
Track B: Carbon Nanotubes
Track C: Nanomedicine
Track D: Nanotech & Cleantech Investment Forum
Track E: Professional Development Training
Business Re-Engineering
Track F: "Train the Trainer"
5:15 PM-6:00 PM Congress Discussion

Thursday November 8, 2007

7:30 AM-4:00 PM Registration
7:30 AM-8:30 AM Breakfast
8:30 AM-12:00 PM General Sessions
Keynotes
Invited Lectures
12:15 PM-1:30 PM Lunch in Reception Area
Breakout Sessions
1:30 PM-5:15 PM
Track A: Nanomaterials
Track B: Nanotech & Cleantech Investment Forum
Track C: Thin Film Technology for Solar Energy
Track D: Biofuels
Track E: Professional Development Training
Business Re-Engineering
Track F: Professional Development Training-
"Train the Trainer": Field Trip to Stanford University
Nano Characterization Laboratory
Workshop on How to Use AFM and SEM for
Nanoscale Characterization
5:15 PM-6:00 PM Congress Discussion

Key Note Speakers:**Harry Kroto**

(Nobel Laureate in Chemistry 1996)
Department of Chemistry and Biochemistry
The Florida State University
Tallahassee, Florida, USA

Roger Kornberg

(Nobel Laureate in Chemistry 2006)
Department of Structural Biology
Stanford University School of Medicine
Stanford, California, USA

PARTIAL LIST OF SPEAKERS (Subject to changes and circumstances
i.e. Visa approval for some overseas speakers)

Curt Richter

National Institute of Standards and Technology
Gaithersburg, MD 20899, USA
"Metrology to Enable Emerging Nanoelectronics"

Christine Arlt

German Aerospace Centre (DLR)
Braunschweig, GERMANY
"Ceramic Nanoparticles: The Key to Future Aerospace Materials"

Raj Bawa

Bawa Biotechnology Consulting,
Ashburn, Virginia, USA
"Nanotechnology, Patents and the US Patent Office"

Elena Bichoutskaia

Cambridge University
Cambridge, UNITED KINGDOM
"Modelling Novel Nanomaterials: Controllable Properties and Applications"

Paul Brazis

Motorola Printed Electronics Technology
Schaumburg, IL 60196, USA
"Printed electronics using nanoparticle dispersions"

Noor Butt

National Commission on Nano Science and Technology (NCNST)
Islamabad, PAKISTAN
"Nano Materials of Pd-Pd and Fe-Co alloys and the Mossbauer Studies"

Asis Kumar Bandyopadhyay

Govt. College of Engineering and Ceramic Technology
Kolkata, INDIA
"Evidence of Magnons in Small Nano Particles of Magnetite in a Glass-Ceramic"

S.K. Chakravarti

National Institute of Technology
Kurukshetra, INDIA
"Endurance Investigation on Thermally Stressed Template Synthesized Nano-/micro Resonant Tunneling Diodes"

Andrei Dudnikov

Budker Institute of Nuclear Physics
Novosibirsk, RUSSIA
"Infrared Lanthanide-Activated Laser Luminometer"

Vaibhav Dubey

Dr. H.S. Gour University Sagar
Sagar, INDIA
"Nanovesicles mediated transcutaneous immunization"

Albert Figuerola

CNR-INFM-NNL
Lecce, ITALY
"Synthesis of Novel Size-Controlled Bimagnetic Hybrid Nanocrystals. Structural and Magnetic Characterization and Potential Use as MRI Contrast Agents"

Neville Freeman

Fairfield Scientific Inc
Pittsburgh, PA 15090, USA
"The physical measurement of a wide range of nanosystems in real time"

Yuri Glughoy

Research and Development Department
California Institute of Nanotechnology
San Jose, CA 95126 USA
"Magnetic nanoparticles for a magnetically targeted treatment of nail fungus"

Luiz Goulart

Universidade Federal de Uberlandia
Uberlandia, BRAZIL
"Detection of Mycobacterium Leprae DNA onto Graphite For Leprosy Diagnostics"

Masanori Horie

National Institute of Advanced Industrial Science and Technology
Ikeda, JAPAN
"Biological effects induced by ultrafine TiO2 in cell culture system"

Muhammad Irfan Jalees

University of Engineering and Technology, Lahore-Pakistan
Lahore, PAKISTAN
"An In situ XRD Study of Zeolite Crystallization Kinetics"

V. K. Jindal

Panjab University
Chandigarh, INDIA
"Salient Features Related to Structure of Carbon Nanotubes Under Pressure"

David Jishashvili

Georgian Technical University
Tbilisi, GEORGIA
"Synthesis of Germanium Nitride Nanowires and Spherical Particles"

Masaaki Kawai

Tohoku University
Miyagi, JAPAN
"Interstitial nano-particle tracking and analysis of movement in the human tumor xenograft in mice"

Kannan Krishnan

University of Washington
Seattle, WA 98195 USA
"Biomedical nanoscience: a spin through new possibilities"

Dae Su Kim

Chungbuk National University
Chungbuk, SOUTH KOREA
"Effects of Amine Functionalization on the Curing and Physical Properties of Epoxy-MWNT Nanocomposites"

Darby Kozak

University of Queensland
Queensland, AUSTRALIA
"Profiling Protein Surface Interactions of Multicomponent Suspensions via Flow Cytometry"

Pradeep Kumar

Central Drug Research Institute
Lucknow, INDIA
"Nanotechnology: The Technology of the future"

Yun-Hi Lee

Korea University
Sungbuk-Ku, KOREA
"In situ lateral grown nanodevices"

Patrick Lin

The Nanoethics Group
Santa Barbara, California, USA
"Superman vs. Frankenstein's Monster: The Debate on Human Enhancement Technologies"

Wentai Liu

University of California, Santa Cruz
Santa Cruz, CA 95064 USA
"Biomimetic Microelectronic Systems: Opportunities, Challenges, and Enabling Technology"

Luu Cam Loc

Institute of Chemical Technology
Ho Chi Minh City, VIETNAM
"The Influence of Size of NiO Cluster on Properties of Carried NiO Catalysts Over Different Supports for CO Methanation"

William Lu

The University of Hong Kong
HONGKONG
"AFM Study on Human Intervertebral Disc Collagens – A Better Way to Evaluate the Association of Single Nucleotide Polymorphisms with Degenerative Disc Disease"

Md. Abdulla-Al-Mamun

Kagoshima University
Kagoshima, JAPAN
"Preparation and Characterization of Colloidal Metal Nanoparticles and their Cytotoxic Effect on HeLa Cell"

Giuseppe Manai

Trinity College Dublin
Dublin, IRELAND
"Growth and reactivity to oxygen of ultra-thin Ni films on Rh(III)."

Michael Meador

NASA Glenn Research Center
Cleveland, OH 44135 USA
"Applications of Nanostructured materials in aerospace"

Arup Mukherjee

Calcutta University
Kolkata, INDIA
"Core Shell Type Testosterone Nanoparticle in Cross Linked Alginate for Sustained Delivery"

Suprabha Nayar

National Metallurgical Laboratory
Jamshedpur, INDIA
"Protein mediated synthesis of iron oxide nanoparticles and its simultaneous dispersion in an aqueous medium"

A. M. Patel

Shri Sarvajani Pharmacy College
Gujarat, INDIA
"Intellectual Property and Nanomedicine Business"

KSK Rao Patnaik

Osmania University
Hyderabad, INDIA
"Survey of Social and Ethical Implications of Nanotechnology and Nanostructured materials"

Shakkthivel Piraman

Yonsei University
Seoul, SOUTH KOREA
"Synthesis of LiCo_{0.5}Li_{0.5}Mn₂x₁-x₂O₄ cathodes by a low temperature solid-state routine for lithium ion battery"

Kevin Radican

CRANN, Trinity College Dublin
Dublin, IRELAND
"Formation of MoO₂ nanowires on the Mo(110) surface"

Priya Rajdev

Indian Institute of Science
Bangalore, INDIA
"Trapping Single Molecule on Langmuir-Blodgett Films: Thermodynamic and spectroscopic characterization of Nickel-Histagged protein interaction"

Ganesh Rajagopalan

Kennedy/Jenks Consultants
Irvine, CA 92614 USA
"Removal of Nanomaterials in Wastewater"

Yuu Sakurai

Tohoku University
Sendai, JAPAN
"Nanosized Silver Iodide Beads as X-Ray Contrast Media and its In-vivo Distribution"

Subir Sarkar

Jadavpur University
Kolkata, INDIA
"Genetic approach for efficient high speed nanodevices"

Mojtaba Shariaty-Niassar

University of Tehran
Tehran, IRAN
"The Application of Materials and their fabrication Processes"

Sanjiv Sharma

Imperial College
London, UNITED KINGDOM
"The Impact of Micro- and Nanotechnologies on Healthcare"

Mohammad H Sheikh

Nanotechnology Research Institute
Shiraz, IRAN
"A Special Nano-sensor for HIV-1"

Petia Simeonova

NIOSH, CDC
Morgantown, West Virginia, USA
"Carbon nanotubes – toxicity evaluation"

Sunil Singroha

Gogte Institute of Technology
Belgaum, INDIA
"Nano-relative computing"

Kathleen Sirois

University of Newcastle
New South Wales, AUSTRALIA
"Glucose Biosensors Based on Hygroscopic Insulator Field-Effect Transistors"

Gurvinder Sodhi

Delhi University
Delhi, INDIA
"Detection of Fingerprints by Nano particle-based Compositions"

Igor Sokolov

Clarkson University
Potsdam, NY 13699 USA
"Molecules in Confined Silica Nanotubes: A Novel Path to Building NanoDevices"

Lihong Su

Northwestern Polytechnical University
Xi'an, CHINA
"The solubility of nanometer particles in high-purity water"

Thathan Premkumar

Gwangju Institute of Science and Technology (GIST)
Gwangju, SOUTH KOREA
"Surfactants as a Versatile Tool for the Preparation of Gold Nanoparticles"

Francisco Torrens

Universitat de Valencia-ICMol
Valencia, SPAIN
"Asymptotic Analysis and Simulation of Coagulation-Fragmentation Equations"

Olivier Toussaint

University of Namur - FUNDP
Namur, BELGIUM
"Nanotoxic: Risk assessment of nanoparticles on human health using in vitro and in vivo models"

Lloyd L. Tran

California Institute of Nanotechnology
San Jose, CA 95126 USA
"Nano Bio Clean Tech: Opportunities and Challenges in the the Global Economy"

Duana Welch

BlabberMouth PR
Austin, TX 78759 USA
"The Role of PR for Nanotechnology"

Ning Xi

Michigan State University
East Lansing, MI 48824 USA
"Manufacturing and Testing of Carbon Nanotube (CNT) Based IR Detectors"

Hiroshi Yamamoto

RIKEN
Saitama, JAPAN
"Molecular Conductor Nanowires Sheathed by Supramolecular Networks"

Jaw-Yen Yang

National Taiwan University
Taipei, TAIWAN
"Simulation of Thermal Conductivity of Multi-dimensional Nanocomposites using Photo Boltzmann Equation"

Ray Yang

West Virginia University
Morgantown, WV 26506 USA
"Metal Nanoparticles from Plants"

Kijung Yong

POSTECH
Pohang, SOUTH KOREA
"Fabrication of ZnO nanorod and hetero-nanostructure array using low temperature method"

Peiyu Zhang

University of Calgary
Calgary, CANADA
"Analysis of mechanical characterization on microneedles for fluid sampling and drug delivery"

Yong Zhang

National University of Singapore
SINGAPORE
"NIR-to-visible Upconversion Fluorescent Nanoparticles for Bioimaging"

Yun Zhao

Beijing Institute of Technology
Beijing, CHINA
"Hydrothermal Synthesis of Ni/Al layered double hydroxide nanorods"

Plus additional number of speakers to be announced soon.

Registration Form

On-line Registration: <http://ianano.org/registration.htm>

Please complete the following Registration Form

Tel: **408-277-3071** - Fax to: **408-293-9057**

Mail to: **PO Box 28208 San Jose, CA 95159 USA**

Please indicate if you are a member of IANANO Yes or No

Membership ID _____

if you're a member of the International Association of Nanotechnology

Prefix: Prof. Dr. Mr. Mrs. Ms. Miss

First Name: _____ M.I. _____

Last Name: _____

Title: _____

Organization: _____

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E-Mail: _____

Gender: Male Female

This address is Business Address Home Address

Your participation as Speaker Presenter Attendee

Committee Member Visitor Invited Guest of _____

ICNT / Clean Tech Congress 2007 REGISTRATION

Full Conference Registration Fees include a Program Booklet, a CD for Abstracts and conference materials, light breakfast, morning and afternoon coffee breaks and working lunches. Please select one: (Registration fees are in US dollars)

- Industry MEMBER \$695.00
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One Day Conference Pass \$325.00 . Please select one day of your choice:

Guest Registration \$295.00 (to cover food and beverage over 3 days)

Extra Copy of Conference CD-ROM including Abstracts and Proceedings. US\$125.00 each, plus shipping charges.

SCIENTIFIC WORKSHOPS

- Workshop 1: Monday November 5, 2007, from 9:00 AM- 12:00 PM
Introduction to Nanotechnology (\$295.00)
- Workshop 2: Monday November 5, 2007, from 9:00 AM- 12:00 PM
Carbon Nanotubes: Research, Manufacturing and Commercialization (\$295.00)
- Workshop 3: Monday November 5, 2007, from 2:00 PM - 5:00 PM
Nanobiotechnology & Nanomedicine: an introduction (\$295.00)
- Workshop 4: Monday November 5, 2007, from 2:00 PM - 5:00 PM
Thin Film Photovoltaic: Principle and Application in Solar Energy (\$295.00)
- Workshop 5: Monday November 5, 2007, from 2:00 PM - 5:00 PM
Biofuels (\$295.00)
- Workshop 6: Monday November 5, 2007, from 2:00 PM - 5:00 PM
Intellectual Property and Technology Licensing Strategy in Nanotech & Clean Tech (US\$295.00)
- Workshop 7: Thursday November 8, 2007, 1:30 PM -5:00 PM
How to Use AFM and SEM for Nanoscale Characterization- an introduction (\$295.00) - Stanford University - Nano Characterization Laboratory

PROFESSIONAL DEVELOPMENT CERTIFICATES IN NANOTECHNOLOGY

- BUSINESS RE-ENGINEERING CERTIFICATE IN NANOTECHNOLOGY**
(November 5-7, 2007) Discounted tuition fee is \$1,875.00
Discounted tuition fees under the US Government subsidy for US companies outside California: \$695.00*
Discounted tuition fees under the California Community Colleges Chancellor Office for California companies : \$395.00 *
- "TRAINING THE TRAINER" CERTIFICATE IN NANOTECHNOLOGY**
(November 5-8, 2007) Discounted tuition fee is \$1,975.00
Discounted tuition fees under the US Government subsidy for US based companies outside California: \$795.00
Discounted tuition fees under the California Community Colleges Chancellor Office for California companies only : \$495.00 *

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250 Gateway Boulevard, South San Francisco, CA 94080 USA

Tel: 650-589-3400

Discounted room rate for ICNT attendees: US \$159.00/day plus taxes & applicable tourist fees. On-line reservations:

<http://nanotechcongress.com/housing.htm>



<http://cleantechinstitute.org>



<http://cinano.com>

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