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40th International Conference on

Advanced Nanotechnology

October 24-25, 2024 | Zürich, Switzerland



S C I E N T I F I C P R O G R A M

08:30-09:00 Registrations

09:00-09:30 Introduction

09:30-09:50 COFFEE BREAK

09:50-11:50
Meeting Hall 01 **KEYNOTE LECTURES**

| | MEETING HALL 01 | MEETING HALL 02 |
|-------------|--|---|
| 11:50-13:10 | Talks On: Nano particles | Talks On: Applications of Nanotechnology |
| | Nano particle volume, mass and concentration | Quantum effects |
| | Synthesis of tellurium nano particles | Nano medicine |
| | Nanometers | Green nanotechnology |

13:10-13:15 GROUP PHOTO

13:15-14:00 LUNCH BREAK

| | MEETING HALL 01 | MEETING HALL 02 |
|-------------|---|---|
| 14:00-16:00 | Talks On: Nanoscience and Technology | Talks On: Nanostructures |
| | Energy applications of nanotechnology | Nano structures in nature |
| | Hotplate Technique for Nanomaterials | Synthesis and analysis of nanostructures |
| | Potential Applications of Carbon Nanotubes. | Electro deposition of nanostructure materials |
| | Nanobiotechnology | Classes of nanostructured biomaterials |

16:00-16:20 COFFEE BREAK

MEETING HALL 01 (16:20-17:00)**YOUNG RESEARCHERS IN
NANOTECHNOLOGY**

09:00-10:30
Meeting Hall 01

KEYNOTE LECTURES

10:30-10:50 COFFEE BREAK

| | MEETING HALL 01 | MEETING HALL 02 |
|-------------|--|--|
| 10:50-12:50 | Talks On: Nano electronics | Talks On: Material Science |
| | Applications development for the Helium Ion Microscope | Phenomenological observations in metallurgy and mineralogy |
| | Electrical and picosecond optical control of plasmonic devices | Forensic engineering |
| | Two-dimensional flexible Nanoelectronics | Nanomaterials, biomaterials and energy materials |
| | Domain wall nanoelectronics | Advanced Materials Processing |

12:50-13:35 LUNCH BREAK

| | MEETING HALL 01 | MEETING HALL 02 |
|-------------|--------------------------------------|--|
| 13:35-15:55 | Talks On: Nanomaterials | Talks On: Nano chemistry |
| | Metal-based nanoparticles | Tissue engineering |
| | Semiconductor Nanowires | Nanowire compositions |
| | Nanostructure materials | Drug-delivery and biological compatibility |
| | Nanomaterials in Energy Applications | Nanolithography |

15:55-16:15 COFFEE BREAK

| MEETING HALL 01 (16:15-17:00) | MEETING HALL 01 (17:00-18:00) |
|-------------------------------|-------------------------------|
| Poster Presentations | Workshop |

Awards & Closing Ceremony

PAST AFFILIATES

Gerd Kaupp

University of Oldenburg, Germany

Haruo Sugi

Teikyo University of Medicine, Japan

Marissa J. Carter

Strategic Solutions, Inc., USA

Masaru Matsuo

Dalian University of Technology, China

Han-Yong Jeon

Inha University, Korea (South)

Mineo Hiramatsu

Meijo University, Japan

Myung Chul Chang

Kunsan National University, South Korea

Takahiro Maruyama

Takahiro Maruyama, Japan

Ze Xiang Shen

Nanyang Technological University, Singapore

Debarati Shome

Leibniz Institute for Plasma Science & Technology Germany

S. Berger,

Technion-IIT, Israel

Arkadii Arinstein

Technion-IIT, Israel

Hyung-Man Kim

INJE University, Republic of Korea

Jason Zhang

University of Ottawa, Canada

Rodney Marcelo do Nascimento

University of São Paulo, Brazil

Väino Sammelselg

University of Tartu, Estonia

Andriy Kovalenko

University of Alberta, Canada

Veroniki P. Vidali

NCSR Demokritos, Institute of Nanoscience & Nanotechnology, Greece

Jatoi Abdul Wahab

Shinshu University, Japan

S.M. Afonin

National Research University of Electronic Technology MIET, Russia

Lei Pan

Harbin Institute of Technology, China

Jerome Tignon

Sorbonne Université, France

S. J. Xu

University of Hong Kong, Hong Kong

Ruslan Z. Valiev

Ufa State Aviation Technical University, Russia

Yuksel AKINAY

Karabuk University, Turkey

PAST AFFILIATES

Valyaev Alexandr

Russian Academy of Sciences (IBRAE RAS)
Moscow, Russia

Kolan Madhav Reddy

Shanghai Jiao Tong University, China

Anna V Bychkova

Russian Academy of Sciences, Russia

Dae Joon Kang

Sungkyunkwan University, South Korea

Yongfang Li

Soochow University, China

Jintao Zhu

*Huazhong University of Science and
Technology, China*

Zhongmei Han

University of Helsinki, Finland

G. P. Tsironis

University of Crete, Greece

Loukakos

*Foundation for Research and Technology,
Greece*

Jean-Paul Lellouche

Bar-Ilan University Israel

Claire Deeb

*Centre de Nanoscience et de Nanotechnologies,
France*

Masaki Otagiri

Sojo University, Japan

Thomas Prevenslik

QED Radiations, China

María E Dávila

*Instituto de Ciencia de Materiales de Madrid,
Spain*

Y. Hancock

University of York, UK

Haider Butt

University of Birmingham, UK

Malik Maaza

*UNESCO UNISA Africa Chair in Nanosciences
& Nanotechnology, South Africa*

Zurich Attractions



Chinese Garden



Fraumunster



Botanical Garden of the University of Zurich



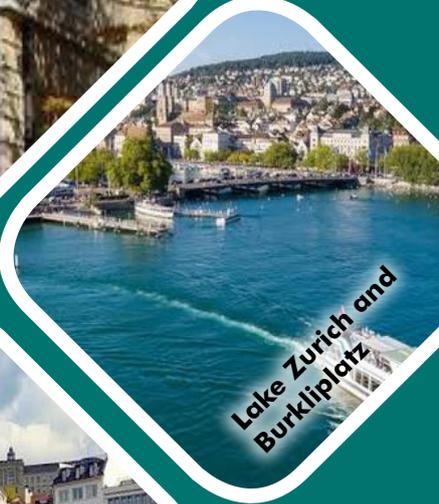
Bellerive Museum



Grossmunster



Swiss National Museum



Lake Zurich and Burkliplatz



St. Peter Zurich



Limmatquai

Glimpses of Advanced Nano Conferences

