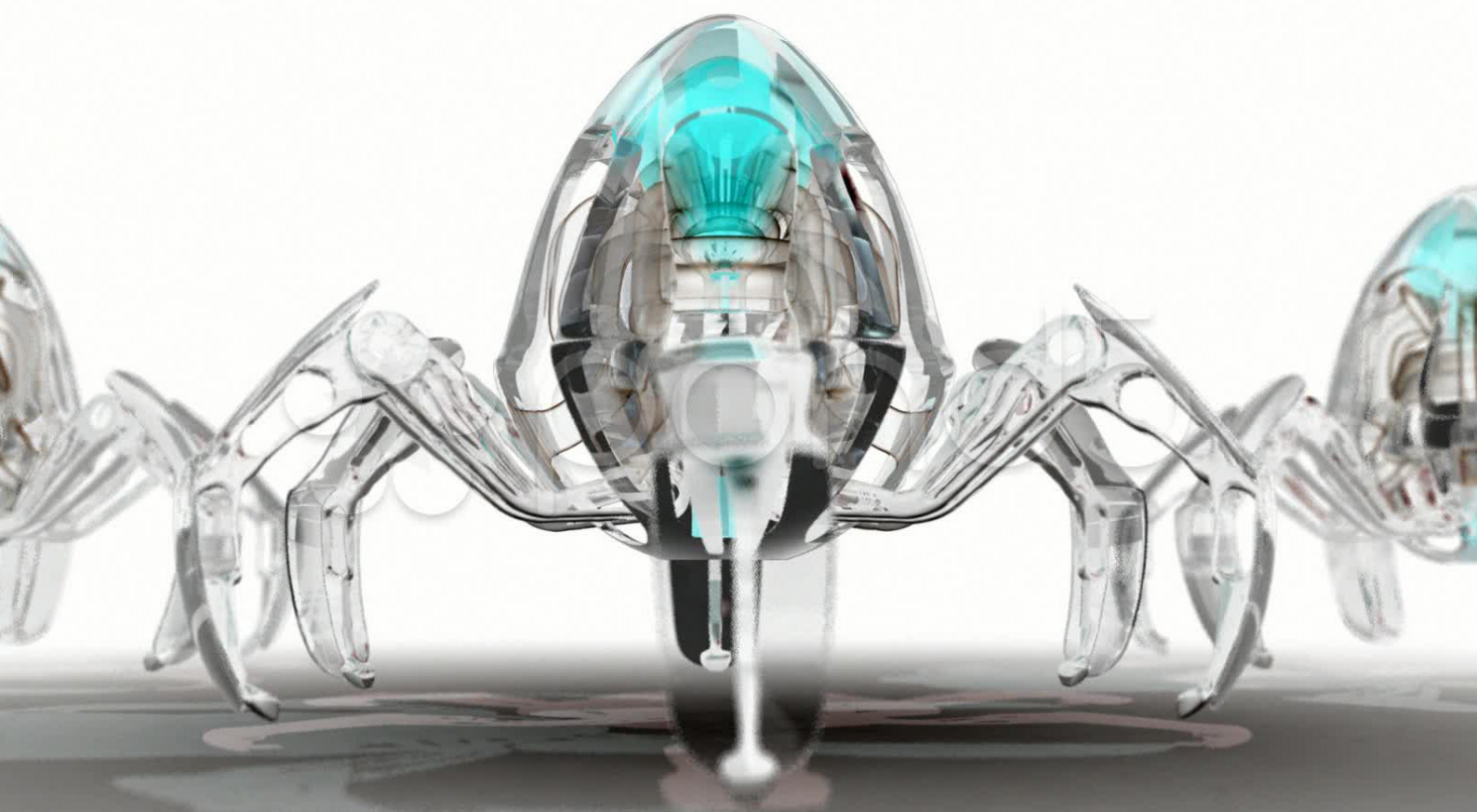


# **19<sup>th</sup> Nano Congress for Next Generation**

August 31- September 01, 2017 Brussels, Belgium



**Conference Series - America**

One Commerce Center-1201, Orange St. #600, Wilmington, Zip 19899, Delaware, USA  
Toll Free: 1-888-843-8169, P: 702-508-5200, F: +1-650-618-1417

**Conference Series - UK**

Kemp House, 152 City Road, London EC1V 2NX, UK  
Toll Free: +0-800-014-8923

Meeting Hall @ Ambassdor

conference**series**.com 09:45 -10:00

# Opening Ceremony

## Keynote Forum

### Introduction

10:00-10:35 **Title: Microtubular NEMS: From concepts to applications**  
Oliver G. Schmidt, Institute for Integrative Nanosciences(IIN), Germany

10:35-11:10 **Title: A Three-stage mechanism of ZnO nanoparticles formation at the surface of ZnO crystal by laser radiation**  
Arturs Medvids, Riga Technical University, Latvia

### Group Photo @ 11:10-11:15

### Networking and Refreshment Break 11:15-11:30 @ Veranda

Sessions: Nano Biomaterials | Nano Materials Synthesis and Characterisation | Nano Applications | Molecular Nano Technology | Nano Science and Technology | Nanotech for Energy and Environment | Nano Computational Modeling

Session Chair: Hyung-Ho Park, Yonsei University, South Korea

Session Co-Chair: Phuong Mai Dinh, University Paul Sabatier, France

### Session Introduction

11:30- 12:00 **Title: A Study on the Characteristics of Ni-Cr-Mn-Y-Dy Thin Film Resistors Using High Entropy Method**  
Ying Chieh Lee, National Pingtung University of Science and Technology, Taiwan

12:00-12:30 **Title: EHDA Technologies for the Next Generation**  
Zeeshan Ahmad, University Leicester, UK

12:30-13:00 **Title: Preparation of acrylic silicon oxide nanoparticles as a binder in leather finishing**  
Ola Mohamed, National Research Center, Egypt

### Lunch Break 13:00-13:45 @ Restaurant

## Plenary Session

13:45-14:20 **Title: Molecular Theory of Solvation for Supramolecular Nanostructures and Nanomaterials**  
Andriy Kovalenko, University of Alberta, Canada

14:20-14:55 **Title: Strain induced effects of hexagonal boron nitride atomic layers: A first-principles density-functional investigation**  
Yoshitaka Fujimoto, Tokyo Institute of Technology, Japan

14:55-15:30 **Title: Introducing Backside Absorbing Layer Microscopy (BALM)**  
Dominique Ausserre, CNRS, Le Mans University, France

### Networking and Refreshment Break 15:30-15:50 @ Veranda

15:50-16:25 **Title: Dynamical treatment of dissipation in finite quantum electronic systems**  
Phuong Mai Dinh, University Paul Sabatier, France

16:25-17:00 **Title: Mesoporous Thermoelectric Oxides**  
Hyung Ho Park, Yonsei University, South Korea

## Panel Discussion

**Day 2 September 01, 2017**

**Meeting Hall @ Ambassdor**

**Keynote Forum**

**10:00-10:35** Title: **AFM Physicochemical Properties and Activity of Single Protein Molecules of CYP 102A1 (BM3)**

**Alexander Archakov**, Institute of Biomedical Chemistry, Russian Federation

**10:35-11:10** Title: **Small is Big: Magic Microfluidic Droplets**

**Liqiu Wang**, The University of Hong Kong, Hong Kong

**Networking and Refreshment Break 11:10-11:30 @ Veranda**

**Molecular Nanotechnology | Nano Applications | Advanced Nanomaterials | Nano Materials Synthesis and Characterisation | Nano Medicine and Nano Biotechnology | Nano Electronics**

**Session Chair: Fernando Castro**, National Physical Laboratory, UK

**Session Co-Chair: Darja Lisjak**, Josef Stefan Institute, Slovenia

**Session Introduction**

**Plenary Session**

**11:30-12:05** Title: **Flexible and versatile nanoparticle synthesis platform by gas-diffusion electrocrystallization**

**Xochitl Dominguez Benetton**, Flemish Institute for Technological Research(VITO), Belgium

**12:05-12:40** Title: **Functional Two-Dimensional Materials for Energy and Environment**

**Kiminori Sato**, Tokyo Gakugei University, Japan

**12:40-13:15** Title: **Plate-like nanomagnets for New Advanced Materials**

**Darja Lisjak**, Josef Stefan Institute, Slovenia

**Lunch Break 13:15-14:00 @ Restaurant**

**14:00-14:35** Title: **Nano-structures enabling sunlight- and candlelight-style OLEDs**

**Jwo Huei Jou**, National Tsing Hua University, Taiwan

**14:35-15:10** Title: **Understanding complex thin films at the nanoscale**

**Fernando Castro**, National Physical Laboratory, UK

**Video Presentation**

**15:10-15:25** Title: **Macro and micro biological systems as source of bioactive molecules useful for cultural assets conservation.**

**Franco Palla**, University of Palermo, Italy

**15:25-15:40** Title: **E-BABE-Proposed Module of Environmental Degradability for PLA Based Green Geosynthetics under Considering Limited Index Test Conditions**

**Han-Yong Jeon**, Inha University, South korea

**Networking and Refreshment Break 15:40-16:00 @ Veranda**

**Poster Presentations 16:00-16:30 @ Gallery**

**Poster Judge: Arturs Medvids**, Riga Technical University, Latvia

**Panel Discussion**

**Award & Closing Ceremony**