

Proceedings of

Joint Event on

30th Annual Congress on

Nanotechnology and Nanomaterials

8th World Congress on

&

Spectroscopy and Analytical Techniques

September 10 - 11, 2018 | Stockholm, Sweden



Opening Ceremony

09:45-10:00

Keynote Talks

10:00-10:40	<p>Title: A live imaging nanotechnology: sensing the brain from spectral analysis to neuromolecular imaging to voltaic photonics</p> <p>Patricia Ann Broderick CUNY School of Medicine USA</p>
10:40-11:20	<p>Title: Mcs_n^+ molecular ion - SIMS for direct chemical analysis of nanostructures without calibration standards</p> <p>Purushottam Chakraborty Saha Institute of Nuclear Physics India</p>
Networking & Refreshment Break	
11:20-11:30 @ Corridor	
<p><i>Major Sessions: Cancer Nanotechnology Ceramic and Glass Materials Future of Nanotechnology Graphene Technology Green Nanotechnology MEMS & NEMS Microtechnology Multifunctional Nanobiomaterials Nano Coatings Nano Electronics Nano Medicine Nano Toxicology Polymer Chemistry Quantum Dots Nano Sensors Nano Robotics Nano Photonics and Optics Nano Pharmaceutical Nanosponges Nanotechnology – The Future Path Spectroscopy tools in Nanotechnology</i></p>	
<p>Chair: Purushottam Chakraborty Saha Institute of Nuclear Physics India</p>	
11:30-12:00	<p>Title: Theoretical formulas of the elementary particles in the scope of nanoparticles and nanotechnology</p> <p>Luiz Cesar Martini State University of Campinas Brazil</p>
12:00-12:30	<p>Title: <i>In vitro</i> evolving of a breast cancer cell-specific DNA aptamer by cell-based SELEX method and its applications</p> <p>Mei Liu Southeast University China</p>
12:30-13:00	<p>Title: Versatility of nanomaterials in commercial applications</p> <p>Carla Idely Palencia-Aguilar University of Central Florida USA</p>
Group Photograph Lunch Break	
13:00-14:00 @ Arenarestaurangen	
14:00-14:30	<p>Title: Leaf-inspired photo-responsive hierarchical nano-fibrous membrane for oil-water separation</p> <p>Zhengtao Li Nanyang Technological University Singapore</p>
14:30-15:00	<p>Title: Graphene oxide-chloroquine induced p62/SQSTM1 mediated necroptotic cell death in A549 lung cancer cells</p> <p>Brahamdutt Arya CSIR-National Physical Laboratory India</p>
15:00-15:30	<p>Title: Use of infrared microscopy in the detection of particles of animal origin in bone ashes</p> <p>Mercedes Bertotto National Service for Agrifood Health and Quality Argentina</p>
Networking & Refreshment Break	
15:30-15:45 @ Corridor	
15:45-16:15	<p>Title: Detection of adulteration in honey through near infrared spectroscopy and chemometrics</p> <p>Mercedes Bertotto National Service for Agrifood Health and Quality Argentina</p>
16:15-16:45	<p>Title: Enhancing European competitiveness in nanoscience research and innovation</p> <p>Ennio Capria ESRF - The European Synchrotron France</p>
16:45-17:15	<p>Title: UHPC and its diffusion properties</p> <p>Sarka Nenadalova Universität Kassel, Germany</p>
Panel Discussion (Networking & Refreshment) 17:15-17:30 @ Corridor	

End of Day 01

Keynote Talks

10:00-10:40 Title: Luminescent nanomaterials and their applications
Martin Ntwaeaborwa | University of the Witwatersrand | South Africa

10:40-11:20 Title: Fluorescent and T1 MRI active Multilayer Nanoparticle for Imaging and Targeting Cellular Delivery
Oara Neumann | Rice University | USA

Networking & Refreshment Break

11:20-11:30 @ Corridor

11:30-12:10 Title : Ultrabithorax-based Materials
Kennith Meissner | Swansea University | UK

Major Sessions: Mass Spectroscopy | Infrared Spectroscopy | Future of Nanotechnology | Raman Spectroscopy | Green Nanotechnology | Terahertz Spectroscopy | (HPLC) High Performance Liquid Chromatography | Multifunctional Analytical & Bio Analytical Techniques | Chromatography | Nano Electronics | Nano Medicine | X-Ray Spectroscopy | Luminescence Spectroscopy | Quantum Dots | Computed Tomography | Nano Robotics | Nano Photonics and Optics | Nano Pharmaceutical | UV Spectroscopy | Time-Resolved (TR) Spectroscopy | Spectroscopy tools in Nanotechnology

Chair: Kennith Meissner | Swansea University | UK

12:10-12:40 Title: Non-cadmium quantum dot based hybrid structures for display applications
Neha Tiwari | NIIT University | India

12:40-13:10 Title: Neuroimaging-Nanosensing Biochemistry in the Brain
Patricia Ann Broderick | CUNY School of Medicine | USA

Lunch Break

13:10-14:00 @ Arenarestaurangen

14:00-14:30 Title: Ion Chromatography Solution for Applied Pharmaceutical Markets
Parul Angrish | Thermo Fisher Scientific | USA

14:30-15:00 Title: Mass separation of AuGe alloy using a new principle: rotating electric fields
Tokio Norikawa | Tokyo University of Science | Japan

15:00-15:30 Title: Prediction of cooking time for soaked and unsoaked dry beans (*Phaseolus vulgaris* L) using hyperspectral imaging technology
Fernando Mendoza | Michigan State University | USA

Networking & Refreshment Break

15:30-15:40 @ Corridor

15:40-16:10 Title: Anti-resonant interferometric nonlinear spectroscopy (ARINS) study of metal-glass nanocomposites for photonic applications
Purushottam Chakraborty | Saha Institute of Nuclear Physics | India

16:10-16:40 Title: Application of spectroscopy analytical techniques in medicine and food dual purpose products
XU Bozhou | Chinese Academy of Inspection and Quarantine | China

Poster Presentation 16:40-17:00 @ Corridor

- Poster: 01** Title: **Thermally insulating and fire retardant based on polyurethane nanocomposite and multi wall carbon nanotubes**
Maria Eugenia Mena | Iberoamerican University | Mexico
- Poster: 02** Title: **Biogenic silver nanoparticles and their prodigious potential towards the catalytic reduction of 4-nitrophenol into 4-aminophenol**
Jagpreet Singh | Sri Guru Granth Sahib World University | India
- Poster: 03** Title: **Preparation of nanoparticles from thermosensitive chitosan derivatives and their capacity as a drug delivery system**
Martin Pedroza-Montero | University of Sonora | Mexico
- Poster: 04** Title: **Coating carbon nanosphere with patchy gold for production of highly efficient photothermal agent**
Xiaoxiao Wang | Southeast University | China
- Poster: 05** Title: **Effect of Aging on Corrosion Behavior of Martensite Phase in Cu-Al-Be Shape Memory Alloy**
Ahmed Aziz Hamza | Azad University | Iran
- Poster: 06** Title: **NIR and Raman spectroscopy in quantification of three API's in solid pharmaceutical preparation**
Cesar Pino Torres | University of San Sebastian | Chile
- Poster: 07** Title: **Application of ultra performance convergence chromatography in food safety**
GUO Wei | Chinese Academy of Inspection and Quarantine | China

Networking & Refreshment Break

17:00-17:15 @ Corridor

Closing Ceremony