

4th Edition

NanoWorld Conference

March 04-06, 2019



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Attendees please download Whova event app.



The event invitation code is: **nwczp**

Venue

Paris Marriott Charles de Gaulle Airport Hotel
Zone Hoteliere
5 Allée du Verger
95700 Roissy-en-France
France



MARRIOTT
PARIS CHARLES DE GAULLE

Floor Plan

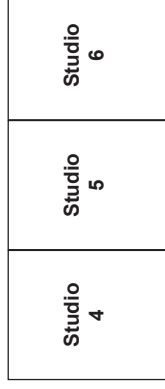
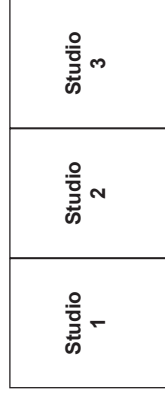
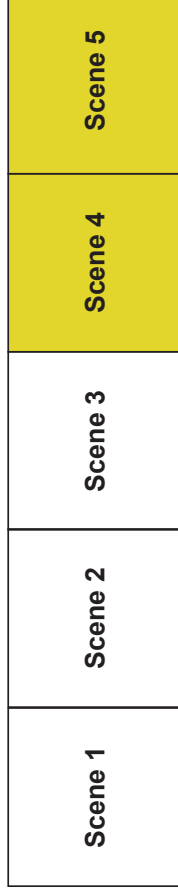
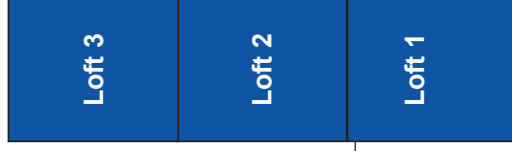
WiFi Details

Network : Marriott_conf

Password : marriottroissy

Main Meeting Room

Lunch



Foyer

07:45-09:00 NanoWorld Conference **NWC Paris-2019** Registrations @ Foyer

08:50-09:00 NanoWorld Conference Introduction by **Prof. Claudio Nicolini** @ Scene 4+5

Plenary Keynote Session

@ Scene 4+5

09:00-10:00 **Claudio Nicolini**
NWC-Chairman and NWJ Editor-in-Chief
The Role of Nanoscience and Nanotechnology for Human Growth and Development in the Present Worldwide Situation in all Sector Covered by the NanoWorld Journal and Conference
Challenges and Open Problems Still Emerging and Confronting in Both Sides of the Atlantic and Pacific Oceans from North to South in Cancer, Environment, Energy, Space, Climate, Industry and Society in the Middle of Mistakes and Delays of all Type and Degree

10:00-10:20 *Tea Break* @ Foyer

Plenary Symposium

@ Scene 4+5

10:20-10:50 **Christian Riekell**, European Synchrotron Radiation Facility, France
The Production, Manipulation and Analysis of Ultrasmall Liquid Volumes

10:50-11:20 **Eugenia Pechkova**, Genova University, Italy
Langmuir-Blodgett Protein Multilayer Technology as A Potential Tool for Structural Discovery

11:20-11:50 **Boris Gouseletov**, Russian Academy Sciences, Russian Federation
Prospects for Transformation of The International Relationship System and The Role of Leading World Actors: USA, China, EU, Russia

11:50-12:20 **Davide Nicolini**, European Space Agency, Europe
Competition versus Cooperation from Research to University and Defense from the East to the West and from the South to the North

12:20-13:20 *Lunch & Networking Session* @ Loft

Session-1 Nanotechnology and Nanosciences

@ Scene 4+5

Chairs: **Marguerite Rinaudo**, University Grenoble-Alpes, France
Manuel G. Velarde, Complutense University of Madrid, Spain

13:20-13:45 **Marguerite Rinaudo**, University Grenoble-Alpes, France
Nanomaterials Based on Chitosan for Biomedical Applications

13:45-14:10 **Owen Guy**, Swansea University, United Kingdom
Development of Real Time Biosensing using Graphene Sensing Platforms

14:10-14:35 **Alexander A. Kamnev**, Russian Academy of Sciences, Saratov, Russian Federation
Biogenic Nanostructures of Microbial Origin: Spectroscopic Characterisation

- 14:35-15:00** **Julianne C. Griepenburg**, Rutgers University-Camden, NJ, USA
Plasmonic Polymersomes: Towards Tunable Drug Carriers
- 15:00-15:30** **Tea Break** **@ Foyer**
- 15:30-15:55** **Manuel G. Velarde**, Complutense University of Madrid, Spain
Mechanical Control of Electrons at the Nanolevel and a Possible Field Effect Transistor with Extremely Low Dissipation
- 15:55-16:20** **Lavinia Balan**, CNRS Mulhouse Materials Science Institute, France
Photo-Design of Nanomaterials and Nanostructured Materials
- 16:20-16:45** **Martin Charlton**, University of Southampton, United Kingdom
High Efficiency, Quantum Dot Enhanced Photonic Crystal LEDs for Monolithic Micro-Display Applications
- 16:45-17:10** **Adnane Abdelghani**, National Institute of Applied Science and Technology, Tunisia
Gas Sensors Based on Functionalized Nanostructured Nanomaterials
- 17:10-17:35** **Giovanni Marinaro**, Technical University of Dresden, Germany
Circulating Motions in a Droplet upon a Superhydrophobic Chip for Conformational Changes of Biological Materials

Session-2 **Nanotechnology and Nanosciences** **@ Scene 4+5**

- Chairs:** **Fernando Langa**, *University of Castilla-La Mancha (UCLM), Spain*
Stanislav I. Sadovnikov, *Russian Academy of Sciences, Russian Federation*
- 09:00-09:25** **Fernando Langa**, *University of Castilla-La Mancha (UCLM), Spain*
 Ternary Organic Solar Cell with Near-IR Absorbing Selenophene-DPP based Non Fullerene Acceptor and Efficiency Above 10%
- 09:25-09:50** **Eric Buhler**, *Paris Diderot University, France*
 Integration of Molecular Machines into Supramolecular Materials
- 09:50-10:15** **Zhiyu Hu**, *Shanghai Jiao Tong University, China*
 Nano Fire and Nanoscale Thermal Energy Harvesting
- 10:15-10:40** **Yamin Leprince-Wang**, *University of Paris-Est, France*
 ZnO Nanostructure Based Photocatalysis for Water Purification
- 10:40-11:05** **Stanislav I. Sadovnikov**, *Russian Academy of Sciences, Russian Federation*
 Thermal Stability of Nanostructured Semiconductor Sulfides
- 11:05-11:35** **Tea Break** **@ Foyer**
- Chairs:** **Fernando Langa**, *University of Castilla-La Mancha (UCLM), Spain*
Zoltan Osvath, *Centre for Energy Research of the Hungarian Academy of Sciences, Hungary*
- 11:35-12:00** **Zoltan Osvath**, *Centre for Energy Research of the Hungarian Academy of Sciences, Hungary*
 Graphene-Metal Nanoparticle Hybrid Materials: Structure and Properties
- 12:00-12:25** **Raghendra Singh Yadav**, *Tomas Bata University, Czech Republic*
 Lightweight Advanced Nanocomposites for Electromagnetic Interference Shielding Application
- 12:25-12:50** **Thomas Schuster**, *Bundeswehr Research Institute for Materials, Fuels and Lubricants (WIWeB), Germany*
 Silver Nanoparticles in Carbon Fiber-Reinforced Polymer Material for Protection Against Damage by Laser and Thermal Irradiation
- 12:50-13:15** **Mohamed Ghanem**, *King Saud University, Saudi Arabia*
 Nanostructured Mesoporous Electrocatalysts for Renewable Energy Sources
- 13:15-14:50** **Lunch & Networking Session** **@ Loft**
- Chair:** **Raghendra Singh Yadav**, *Tomas Bata University, Czech Republic*
- 14:50-15:10** **Arash Dashtkar**, *Kingston University, United Kingdom*
 Chemical Surface Functionalization of Multi-Walled Carbon Nanotubes (CNTs)
- 15:10-15:30** **Saber Ragab Abdallah**, *University of Bristol, United Kingdom*
 Numerical Simulation for Thermal Regulation of Photovoltaic Thermal Systems using MWCNT Nanofluids
- 15:30-15:50** **Cheng Jin An**, *Pohang University of Science and Technology, South Korea*
 High Performance Thermoelectric Materials and Their Applications

15:50-16:20 *Tea Break* @ Foyer

16:20-17:20 **Poster Presentations** @ Gallery

18:00-19:00 **Cocktail Hour** @ Gallery

Poster Presentations @ Gallery

NWCP1 **Volodya Harutyunyan**, Russian-Armenian University, Armenia
Single-Particle States and Optical Transitions in InP/InAs/InP Spherical Core/Shell/Shell Heterostructure

NWCP2 **Abby Robinson**, Rutgers University - Camden, NJ, USA
Nanoparticle Mediated Release from Polymersomes under Single Pulsed Femtosecond Irradiation

NWCP3 **Cory James Trout**, Rutgers University - Camden, NJ, USA
Single Step Hydrophobic Functionalization of Gold Nanoparticles

NWCP4 **Hamza Houamria**, University of Badji Mokhtar Annaba, Algeria
Silver Nanoparticles; Parametric Study and Modeling by Application of the Experimental Design Methodology

NWCP5 **Charlette Tiloke**, Durban University of Technology, South Africa
Niazimicin and its Phytonanoparticle Modulate Caspase-9 Splice Variants, IAP's and NFκB Signalling in Lung Cancer Cells

NWCP6 **Hee Cheol Kim**, Chungnam National University, South Korea
Preparation and Characterization of Poly(γ-Glutamic acid)/Tyramine Photo-Crosslinkable Hydrogels for 3D Bioprinting

NWCP7 **Ji Youn Shin**, Chungnam National University, South Korea
Rheological Properties of Dual Thermal and Photo-Crosslinked Methylcellulose Hydrogel

NWCP8 **Hyeong Chan Nam**, Chungnam National University, South Korea
Biodegradable Poly(Lactic Acid) Microbeads by Melt Electrospraying

NWCP9 **Su Jun Kim**, Chungnam National University, South Korea
Electrospun PVA Nanofibrous Membranes Containing Chitin/Chitosan Nanowhiskers for Dye Adsorption

NWCP10 **Nassim Touka**, University of Bouira, Algeria
Effect of Annealing Temperature on Structural and Optical Properties of Copper Oxide Thin Films Deposited by Sol-Gel Spin Coating Method

NWCP11 **Adrian Radon**, Silesian University of Technology, Poland
Catalytic Activity of Electrochemically Exfoliated Graphite Decorated with Silver Nanoparticles Synthesized by UV-Irradiation Method

NWCP12 **S.I. Sadovnikov**, Russian Academy of Sciences, Russian Federation
Lattice and Optical Properties of Semiconductor Pb1-xAgxS Solid Solutions

NWCP13 **Marek Kobylanski**, University of Gdansk, Poland
TiO2 Nanotubes Arrays Modified by Conjugated Polymers for Photocatalytic Application

NWCP14 **Marine Dabert**, CNRS Mulhouse Materials Science Institute, France
Silver Nanostructures with Tuned Optical Properties by Photochemical Approach

DAY 3

6th MARCH 2019

WEDNESDAY

- 10:00-11:00 **NWC Conference Review and Discussion: Organizing Committee Members** @ Studio 2
- 11:00-11:30 *Tea Break* @ Foyer
- 11:30-12:00 **Scientific Discussion by Editorial Board Members of NWJ**
- 12:00-12:15 **Concluding Remarks by**
Academician Professor Claudio Ando Nicolini, NWC Paris 2019 Chairman
- 12:15- *Lunch & Departures* @ Loft



NanoWorld Conference

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