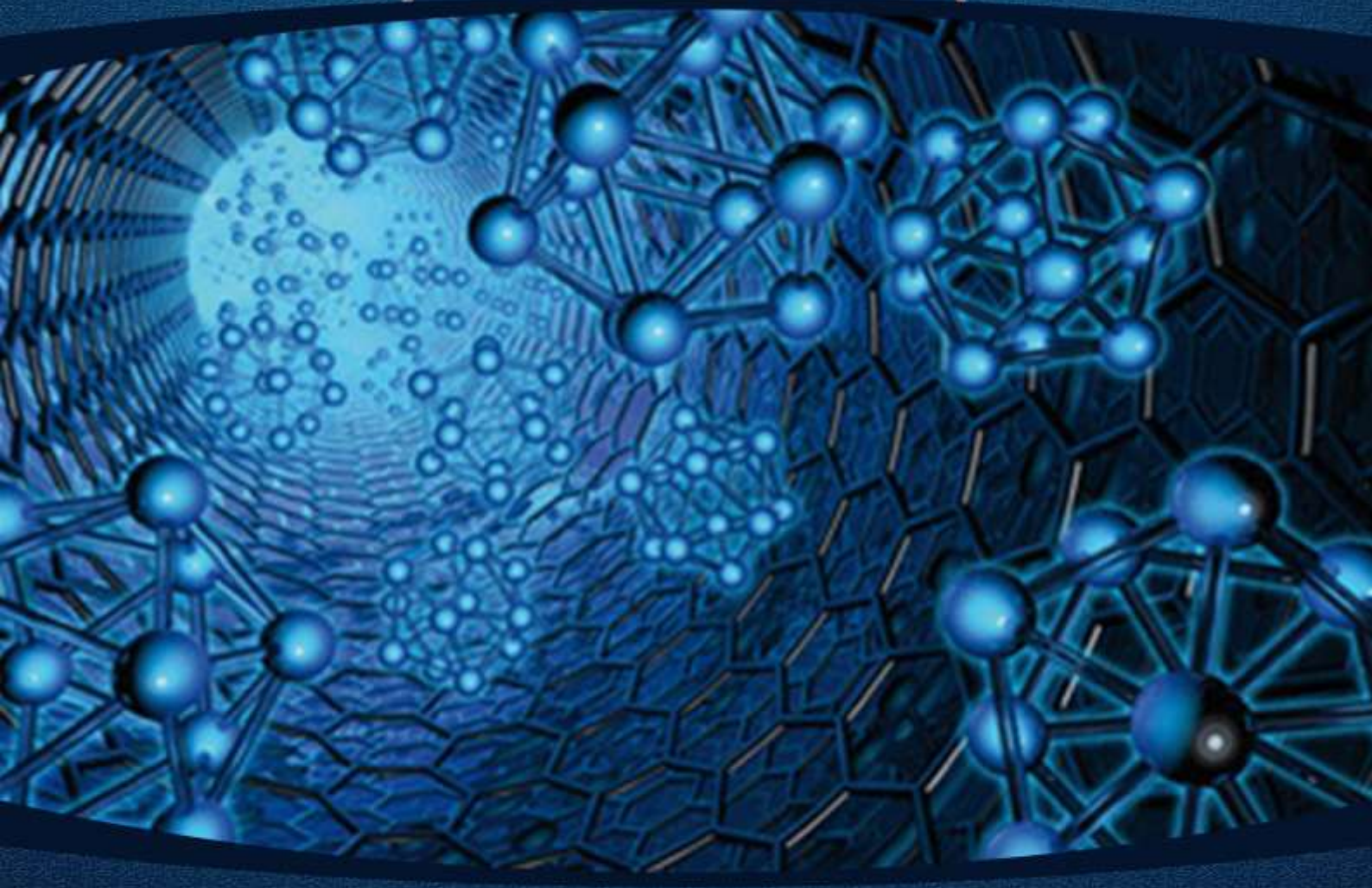



# New Trends in Nano science & Nanotechnology

**AGENDA**



**1<sup>st</sup>-2<sup>nd</sup> November, 2017**  
**Location: Online**

LifeScienceEvents 



DESC

This event has [CPD accreditation](#)

www.

#

**This is a draft agenda  
The agenda will be finalised two weeks before the event**

## Contents

|  |                                     |
|--|-------------------------------------|
| Day 1: .....   | 5                                   |
| Early Session.....   | 5                                   |
| Euroscicon Welcome.....  | 5                                   |
| Transmission of Information at the Nano Scale .....  | 5                                   |
| Q and A.....   | 5                                   |
| Adsorption of organic pollutants by nano-conducting polymers .....                             | 5                                   |
| composites: Effect of the supporting nano-oxide type .....                                     | 5                                   |
| Q and A.....   | 5                                   |
| Advancement of Nano mechanical Mapping in Biology .....  | 5                                   |
| Q and A.....   | 5                                   |
| Modification of filter medium with biocidal nanomaterial for use in air conditioners.....      | 5                                   |
| Q and A.....   | 5                                   |
| Development and Formulation of Nanonutraceuticals .....  | <b>Error! Bookmark not defined.</b> |
| Q and A.....   | <b>Error! Bookmark not defined.</b> |
| Day 2: .....   | 6                                   |
| Late Session.....  | 6                                   |
| Euroscicon Welcome.....  | 6                                   |
| Novel designs of prepared nanomaterials for treatment of bio-contaminated water .....          | 6                                   |
| Q and A.....   | 6                                   |
| The effect of nanofibers on composite laminate.....  | 6                                   |
| Q and A.....   | 6                                   |
| Solution-manufacturing of functional nanomaterial's for self-powered smart skin ....           | <b>Error! Bookmark not defined.</b> |
| Q and A.....   | 6                                   |
| Contamination of nanomaterials and its impact on applications of nanotechnology .....          | 6                                   |
| Fast, cheap, and quantitative analytical screening by magnetic lateral flow immunoassays ..... | 6                                   |
| Closing remarks, End of Late Session.....  | 6                                   |
| ABOUT THE SPEAKERS .....   | 7                                   |
| 2. Thomas J. Webster's .....   | <b>Error! Bookmark not defined.</b> |

## Day 1:

| London<br>GMT+1      | New York<br>EST | Tokyo<br>JST |  |   |
|----------------------|-----------------|--------------|--|---|
| <b>Early Session</b> |                 |              |  |   |
| 09:15                | 05:15           | 17:15        | <b>Session online</b>  | <b>Speaker practice session<br/>Poster Viewing</b>  |
| 09:55                | 05:55           | 17:55        | <b>Euroscicon Welcome</b>  | <i>Euroscicon Host</i>  |
| 10:00                | 06:00           | 18:00        | <b>Transmission of Information at the<br/>Nano Scale<br/>Q and A</b>   | <i>Dr Mark Leeson,</i><br>Reader in Communication<br>Systems<br>University of Warwick, UK                               |
| 10:30                | 06:30           | 18:30        | <b>Modification of filter medium with<br/>biocidal nanomaterial for use in air<br/>conditioners<br/>Q and A</b>                                  | <i>Professor Andre Bernardo,</i><br>Professor<br>Federal University<br>Brazil   |
| 11:00                | 07:00           | 19:00        | <b>Advancement of Nano mechanical<br/>Mapping in Biology<br/>Q and A</b>   | <i>Dr. Husnu Aslan,</i> Post-<br>doctoral researcher and<br>lecturer, iNANO Center,<br>Aarhus University Denmark        |
| 11:30                | 07:30           | 19:30        | <b>Adsorption of organic pollutants by<br/>nano-conducting polymers<br/>composites: Effect of the supporting<br/>nano-oxide type<br/>Q and A</b> | <i>Dr Shimaa Ali,</i><br>Assistant Professor<br>Chemistry department,<br>Faculty of Science, Cairo<br>University, Egypt |
| 12:00                | 08:00           | 20:00        | <b>Closing remarks, End of Early Session</b>   |   |

## Day 2:

| London<br>GMT+1     | New York<br>EST | Tokyo<br>JST |   |   |
|---------------------|-----------------|--------------|---|---|
| <b>Late Session</b> |                 |              |   |   |
| 13:15               | 09:15           | 21:15        | <b>Session online</b>   | <b>Speaker practice session<br/>Poster Viewing</b>  |
| 13:55               | 09:55           | 21:55        | <b>Euroscicon Welcome</b>   | <i>Euroscicon Host</i>  |
| 14:00               | 10:00           | 22:00        | <b>Novel designs of prepared<br/>nanomaterials for treatment of bio-<br/>contaminated water<br/>Q and A</b>         | <i>Dr Tarek Taha,</i><br>Researcher<br>GEBRI Institute, City of<br>Scientific Research and<br>Technology Applications<br>Egypt            |
| 14:30               | 10:30           | 22:30        | <b>The effect of nanofibers on composite<br/>laminates<br/>Q and A</b>  | <i>Cristobal Garcia,</i><br>PhD researcher<br>University of Strathclyde<br>(Glasgow)<br>UK  |
| 15:00               | 11:00           | 23:00        | <b>Revolutionizing Medicine with<br/>Nanotechnology: A 20 Year Summary<br/>Q and A</b>                              | <i>Dr Thomas Jay Webster,</i><br>Art Zafirpoulo Chair,<br>Department Chair, Chemical<br>Engineering<br>United States                      |
| 15:30               | 11:30           | 23:30        | <b>Contamination of nanomaterials and<br/>its impact on applications of<br/>nanotechnology<br/>Q and A</b>          | <i>Yuriy Garbovskiy,</i> PhD UCCS<br>BioFrontiers Center and<br>department of Physics,<br>University of Colorado<br>Colorado Springs, USA |
| 16:00               | 12:00           | 00:00        | <b>Fast, cheap, and quantitative<br/>analytical screening by magnetic<br/>lateral flow immunoassays<br/>Q and A</b> | <i>Montserrat Rivas,</i> Dept. of<br>Physics, University of Oviedo<br>Gijón Polytechnic School,<br>Spain                                  |
| 16:30               | 12:30           | 00:30        | <b>Closing remarks, End of Late Session</b>   |   |

## ABOUT THE SPEAKERS

### **1. Dr. Shimaa Ali**

Dr. Shimaa Ali is an assistant professor of chemistry, chemistry department, faculty of science, Taibah university, Al Madinah Al Munawarah, KSA. Her scientific interest in the areas of nanotechnology, materials sciences, energy production, fuel cells, catalysis, sensors, corrosion, conducting polymers electrochemistry. She has 23 published papers and 4 book chapters. She has supervised for 2 PhD and 5 Masters thesis's and has been enrolled as a reviewer in many scientific journals.

### **2. Dr. Husnu Aslan**

Dr. Husnu Aslan obtained his MSc in Applied Physics from Sabanci University, Turkey. He earned his PhD degree in Bio-SPM group at iNANO, Aarhus University, Denmark in 2016. Currently, he focuses on the development of scanning probe microscopy techniques and relative applications in biological self-assembly and bio molecular imaging/mapping.

### **3. Dr. Wenzhuo Wu**

Dr. Wenzhuo Wu is an Assistant Professor in School of Industrial Engineering at Purdue University. He was a postdoctoral fellow in School of Materials Science and Engineering at Georgia Tech. He received his B.S. in Electronic Information Science and Technology from University of Science and Technology of China (USTC), Hefei; M.E. in Electrical Engineering from National University of Singapore (NUS); Ph.D. from Georgia Tech in Materials Science and Engineering. Dr. Wu's research includes fundamental and technological exploration of 1D/2D nanomaterial's for applications in energy, electronics, sensor, and etc.

### **4. Thomas J. Webster's**

Thomas J. Webster's (H index: 80) is the current Art Zafiropoulo Chair of Chemical Engineering at Northeastern. He is the director of the Nanomedicine Laboratories and pioneered the use of nanomaterial's to increase tissue growth, inhibit infection, and decrease inflammation leading to 12 companies with 4 FDA approved products. He is the founding editor-in-chief of the International Journal of Nanomedicine (5-year impact factor of 5.03). Prof. Webster has received numerous awards and is a fellow of numerous organizations including: AIMBE, BMES, FSBE, and AANM. He has appeared on the BBC, NBC, ABC, Fox News, the Discovery, and National Geographic Channels.

### **5. Dr Mark Leeson**

Dr Mark Leeson is Reader in Communication Systems within the School of Engineering at the University of Warwick. He was a UK pioneer in the field of molecular communications, receiving a RAEng/Leverhulme Senior Research Fellowship in 2010 to study information capacity at the nanoscale. Amongst his more than 250 publications is one of the seminal papers on forward error correction for molecular communications. He is a Senior Member of the IEEE and Fellow of the Institute of Physics. He is currently an Editorial Board Member of the Nano Communication Networks journal, and a regular academic journal and research grant reviewer.

### **6. Cristobal Garcia**

Cristobal is a materials engineer with international experience and recognition as a researcher in nanotechnology. He has gained experience in working and collaborating within the industry for three years as research engineer for the development of automotive plastic materials and nanowires due to their demonstrated applications in optoelectronic devices. Currently, he is a PhD student in the University of Strathclyde and he participates in an international collaboration with two research centers FIDAMC and IMDEA Materials. The aim of his research is the development of novel sensors based on nanofibers and structures made of composite materials reinforced with nanofibers for structural health monitoring and prevention of the damage respectively.

### **7. Dr. Andre Bernardo**

Graduate at Chemical Engineering from the University of Sao Paulo (1999), master's at Chemical Engineering from Campinas State University (2002) and Ph.D. at Chemical Engineering from Federal University of Sao Carlos (2007). Has experience in Chemical Engineering, focusing on industrial crystallization, acting on the following Subjects: Sugar Crystallization, Antisolvent Cooling Crystallization, Nanomaterial Application, Protein precipitation

### **8. Tarek H. Taha**

Tarek H. Taha is a researcher at Environmental Biotechnology Dept. – Genetic Engineering and Biotechnology Research Institute, City of Scientific Research and Technology Applications. His major research interests are concerned by using of nanostructures and microbial cells for bioremediation and biodegradation of environmental pollutants; in addition to, conversion of environmental wastes into useful products like biofuel. He also interested by Bioinformatics, molecular techniques and genetic engineering.

### **9. Dr. Montserrat**

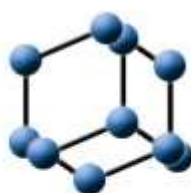
Montserrat Rivas is an associate professor in the Polytechnic School of Engineering at the University of Oviedo in Spain. She started working for this institution soon after she graduated in Physics in the Basque Country University. She holds a PhD in Physics from the University of Oviedo. She is currently the co-leader of a multidisciplinary research group of physicists, chemists, and engineers who work on magnetic bioanalysis in close collaboration with medical doctors and biologists. She also coordinates a consortium of 70 researchers from 12 institutions devoted to biomagnetism; NanoBioAp consortium was recently awarded a "Cluster of Excellence" grant from the Spanish Government.

### **10. Dr. Yuriy Garbovskiy**

Dr. Garbovskiy is an expert in soft condensed matter physics and nanotechnology, particularly liquid crystals, nanomaterials, and their versatile applications. He has written a book and contributed to nearly 60 published peer-reviewed papers, invited book chapters, patents, and technical reports. Many of his papers were recognized in different ways including Crystals 2017 Best Paper Award, APL Editor's Pick Article (2016), Key Scientific Article (2015), Highlights of the Best Research published in Materials Research Express (2014), to name a few. Dr. Garbovskiy is a Senior Member of the Optical Society of America. He also joined the Applied Optics Editorial Board as a Topical Editor (biomedical applications of liquid crystals and nanoparticles).



## MEDIA SPONSORS



**BENTHAM  
SCIENCE**

**TECHNOLOGY  
NETWORKS**

**laboratorynews**

*EuroSciCon Ltd.* Registered in England and Wales, Company number: 4326921, Trading  
Address: Euroscicon Ltd, Highstone House, 165 High Street, Barnet, Herts. EN5 5SU, UK. Registered  
Office: 47 High Street, Barnet, Herts, EN5 5UW, UK