



#### INVITED SPEAKERS



Prof. Gregory V. LOWRY, Ph.D.



Prof. Seeram RAMAKRISHNA, FREng, FNAE, FIES



Prof. Jiri HOMOLA, Ph.D., DSc.



Dr. Karin ASCHBERGER, Ph.D.



Dr. Mélanie AUFFAN, Ph.D.



Ing. Ludmila BALOGOVA



Prof. Philomela KOMNINOVA, Ph.D.



Prof. Dr. Ralph Michael KRUPKE



Ing. Martin NIKL, CSc.



Prof. RNDr. Vladimír SEPELAK, DrSc.



Assoc. Prof. Ing. Martin WEITER, Ph.D.



Dr. Rajendra S. VARMA



Assoc. Prof. Fabio VIANELLO, Ph.D.



Prof. Dr. Lang TRAN, Ph.D.



Prof. Dr. Peter SCHAAF, Ph.D.



Dr. Jean-Marc AUBLANT



## 5<sup>th</sup> International Conference NANOCON 2013

2<sup>nd</sup> ANNOUNCEMENT  
& CALL FOR PAPERS  
October 16<sup>th</sup> - 18<sup>th</sup> 2013  
Hotel Voronez I, Brno  
Czech Republic, EU

## CONFERENCE SCOPE

Nanomaterials - preparation, properties, characterization. Applications of nanotechnologies in industry, environment, medicine and biotechnology. The influence of nanomaterials to environment, health; metrology and standardization of nanomaterials.

The conference will be opened by the plenary session with the appearance of significant foreign and Czech speakers focused on research and applications of nanomaterials. Conference abstracts will be accepted into five theme sections.

## TOPICS

### P PLENARY SESSION

Prof. Seeram RAMAKRISHNA, FEng, FNAE, FIES  
Prof. Dr. Gregory V. LOWRY, Ph.D.

October 16<sup>th</sup> 2013 from 10:00 till 12:00

### A SESSION PREPARATION AND PROPERTIES OF NANOSTRUCTURES

Ing. Martin NIKL, CSc.  
Prof. Dr. Ralph Michael KRUPKE  
Prof. RNDr. Vladimír SEPELAK, DrSc.  
Prof. Dr. Peter SCHAAF, Ph.D.

Synthetic approaches and study of properties of all types of nanomaterials (0D-3D) - quantum dots, nanopowders, functionalized nanoparticles, nanocomposites, carbon nanostructures, graphene, nanofibres, nanolayers and films, colloid systems, etc.

### B SESSION INDUSTRIAL & ENVIRONMENTAL APPLICATIONS OF NANOMATERIALS

Assoc. Prof. Ing. Martin WEITER, Ph.D.  
Ing. Ludmila BALOGOVA  
Dr. Rajender S. VARMA

Applications in catalyses, photocatalysis, coatings and paints, nanofiltration, nanoelectronics, nanophotonics, sensors, etc.  
Applications in construction, energy production and storage, in chemical, textile and consumer industries; water cleaning and ecology applications

### C SESSION BIONANOTECHNOLOGY, NANOMATERIALS IN MEDICINE

Prof. Jiri HOMOLA, Ph.D., DSc.  
Assoc. Prof. Fabio VIANELLO, Ph.D.  
Mgr. Stanislav HASON, Ph.D.

Antibacterial materials and means, biosensors, biocatalysts, biochemical applications, biogenic nanomaterials. Targeted drug transport, tissue engineering, diagnostics, molecular analysis, antitumor therapy, nano-implants, marking and separation of cells, etc.

### D SESSION HEALTH, SAFETY AND ENVIRONMENT CHALLENGES

Prof. Dr. Lang TRAN, Ph.D.  
Dr. Karin ASCHBERGER, Ph.D.  
Dr. Mélanie AUFFAN, Ph.D.

Influence of nanomaterials on environment and health, potential risks of production, applications and transport of nanomaterials. Risk management, monitoring, toxicity and ecotoxicity of nanomaterials, safety and responsible research, international cooperation, EU and Czech Republic approach

### E SESSION STANDARDIZATION, METROLOGY AND CHARACTERIZATION OF NANOMATERIALS

Prof. Philomela KOMNINO, Ph.D.  
Dr. Jean Marc AUBLANT

Definition, methods of measuring and testing, norms, new methods and approaches to characterization of nanomaterials

## INFORM YOUR COLLEAGUES

Just a few clicks and your colleagues will be informed. Quickly and easily.

Please click on Inform your Colleagues button in the left menu on the conference website.

REGISTRATION, ABSTRACT SUBMISSION, PAYMENT, DEADLINES,  
TRANSPORTATION, ACCOMMODATION BOOKING, PROGRAMME  
AND OTHER INFORMATION:

[www.NANOCON.eu](http://www.NANOCON.eu)



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TANGER Ltd., Ostrava

Eva HULOVA  
TANGER Ltd., Ostrava

Ing. Tasilo PRNKA  
TANGER Ltd., Ostrava

## VŠEOBECNÉ INFORMACE

**Date:** October 16<sup>th</sup> - 18<sup>th</sup> 2013  
**Venue:** Hotel Voronez I  
Krizkovskeho 47  
Brno, Czech Republic, EU  
**Language:** English

### CONFERENCE SYSTEM

Please register/log in to the conference system for abstract and papers submission, presentation upload, accommodation booking, conference fee payments etc. - [www.NANOCON.eu](http://www.NANOCON.eu)

### ABSTRACTS

200 - 250 words, in English

### PAPERS

Max 6 pages incl. pictures, file size 20 MB max., in English. In other case please contact conference manager.

### POSTERS

The poster session will take place in Congress Hall A, B on Oct 17<sup>th</sup> 2013 from 5:00 p.m. Poster size: 80 cm (width) × 120 cm (height). The poster text, for publishing on CD, can be in range up to 6 pages incl. pictures (file size 20 MB max).

### INSTRUCTION FOR AUTHORS

Please read carefully instructions for creating abstracts, papers, posters, presentations - button **Instruction for Authors** on the conference website.

### PROCEEDINGS

Papers from the conference will be sent for publishing in Thomson Reuters Web of Knowledge/Web of Science database.

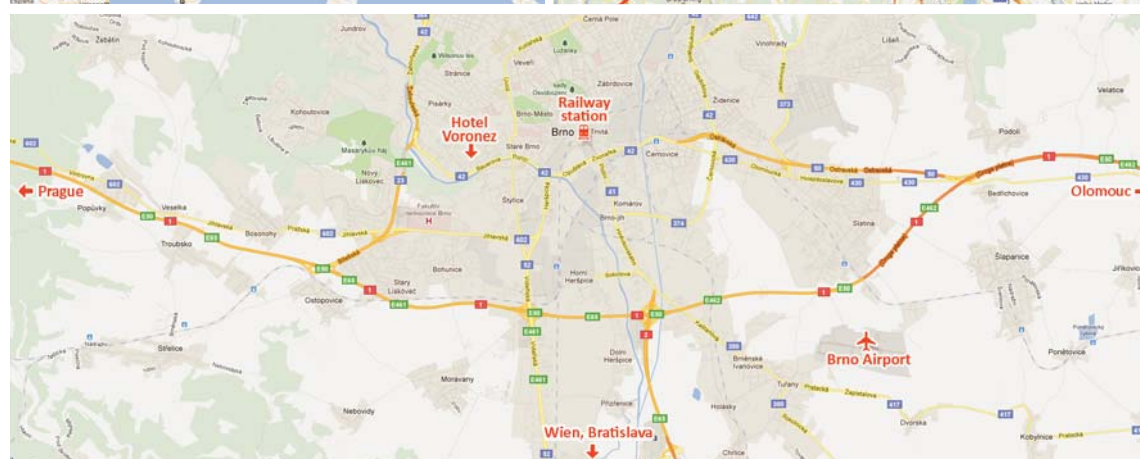
### CONFERENCE FEE

Authors of papers and posters	250 EUR
Other participants	300 EUR
PhD. students with papers or posters	150 EUR
PhD. students without papers or posters	170 EUR
Publication of paper without attendance	130 EUR
Official letter of invitation for VISA	20 EUR

(The prices are including VAT 21 %)

### TRANSPORTATION

**Airports** - Brno (15 Km), Bratislava (130 Km), Wien (135Km), Prague (222 Km - distance from the hotel)  
**Bus & Train** - [www.idos.cz](http://www.idos.cz)  
**Local bus** - line 44,84 from the railway station to the hotel  
**Car** - [maps.google.com](http://maps.google.com) (use Route planner)



### DEADLINES

<b>JUN 15</b> ABSTRACTS	<b>SEP 15</b> PAPERS	<b>SEP 30</b> REGISTRATION
<b>SEP 30</b> ACCOMMODATION	<b>OCT 15</b> PRESENTATIONS	<b>OCT 16</b> 10:00 a.m. NANOCON 2013
<b>OCT 16</b> 8:00 p.m. SOCIAL EVENING	<b>OCT 17</b> 5:00 p.m. POSTER SESSION	<b>OCT 17</b> 8:00 p.m. DINNER



### ACCOMMODATION

Please book and pay for your accommodation via the conference registration system. Booking deadline: September 30<sup>th</sup> 2013. The OREA Hotel Voronez I\*\*\*\* and II\*\*\* are situated in the close vicinity of the Brno Fairgrounds. The hotel offers high standard in 368 rooms, suites and business suites with bathroom, WC, electronic key, spy hole in the door, smoke detectors, Wi-Fi connection, satellite and Pay TV with the interactive contact with reception desk. Superior class rooms are air-conditioned and guests are provided with special services. The hotel also offers car rentals, sauna, massages, hair designer and Internet. The dining services are provided in the Atrium restaurant, Grill-bar Gourmet and in a "à la carte" restaurant.

### LUNCH, COFFEE BREAKS

Lunch and coffee breaks are included in the conference fee. It will be served at the hotel restaurant and lobby.

### SOCIAL EVENING & BEER PARTY

Social evening - Oct 16<sup>th</sup> 2013, 8:00 p.m. Restaurant Moravska chalupa

Dinner - Oct 17<sup>th</sup> 2013, 8:00 p.m. Hotel Restaurant

Evening and dinner are included in the conference fee.

Please register at:

[www.NANOCON.eu](http://www.NANOCON.eu)



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The prices are without VAT 21 %

Company presentation by paper 15 min or poster (free participation of 1 company representative)	290 EUR
Accompanying exhibition (free participation of 1 company representative)	400 EUR
Color advertisement outside of printed proceedings	480 EUR
Color advertisement on the inner cover or inside of printed proceedings	360 EUR
Black-and-white advertisement on the inner cover or inside of printed proceedings	200 EUR
Company presentation on a CD (up to 50 MB)	100 EUR
Workshop (practical company presentation) per hour	240 EUR
Placement of a company logo in the main auditorium and on the conference web site	160 EUR
Distribution of company materials during check-in of participants	80 EUR
SPONSOR OF THE CONFERENCE	1200 EUR
MAIN SPONSOR OF THE CONFERENCE	1600 EUR
GENERAL SPONSOR OF THE CONFERENCE	2000 EUR

## HISTORY

NANOCON is the international conference, organized together by the company TANGER Ltd., the Czech Society for New Materials and Technologies and the Regional Centre of Advanced Technologies and Materials is the unique conference organized in the Czech Republic focusing exclusively on nanomaterials, on their research, application and potential impact on the environment and human health. The Conference provides space to share the latest advances in knowledge and to communicate possibilities of future collaboration of researchers with the industry. A number of top-level scientists, such as Prof. Paul Mulvaney, Prof. Dr. Aharon Gedanken, Prof. Dr. Horst Weller, Prof. Dr. Michael Giersig, Prof. Dr. Emmanuel P. Giannelis, etc., have given plenary lectures at the past NANOCON meetings.

The participants of 4th international conference NANOCON 2012 (Oct 23<sup>rd</sup> - 25<sup>th</sup>, Brno) had the opportunity to be acquainted with the results of the research and development of nanomaterials in the country and abroad and as well with specific applications and personally to know the worlds' leading scientists working in the field of nanotechnologies.

For 359 participants from 29 countries, there were presented during three days at the conference 96 lectures concerning 5 different thematic areas of research and applications of nanomaterials. So conference NANOCON becomes the important event of its kind in Central Europe at least.

We look forward to seeing you at the conference NANOCON 2013.

TOPICS, IMPORTANT & VISITOR INFO, INSTRUCTION FOR AUTHORS,  
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## DR. TASILO PRNKA PRIZE

Take a part in a contest Dr. Tasilo Prnka prize for the author to 30 years. The winner will be awarded prize.



## BEST POSTER CONTEST

Take part in a contest for the best poster. The first three winners will be awarded prizes and five honorable mentions will be granted.



## CONTACTS

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NANOCON 2013

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