

## About Venue

### Liberec

Liberec is a city located on the north of Czech Republic. It is surrounded by Jizera Mountains and Ještěd Ridge with a splendid view from the top of the Ještěd tower (1012 m - 3 320 ft.). The fame of Liberec began with the introduction of textile industry in the 16th century and its legacy is being carried by

Technical University of Liberec and textile companies in the region. Liberec offers high standards in cuisine, sports and entertainment as well as beautiful architecture bearing the imprint of Czech, German and Jewish cultures.



*NART 2015 is less than 1 hour from Prague*

### Prague

Prague is one of the crown jewels of central Europe offering high standards in entertainment, architecture and cuisine. Its venues full of small shops and restaurants are beautifully lit during the evenings creating almost magical feeling. Only one hour drive from Liberec, the famous cathedrals, theatres and places rich with history will be awaiting you.



We will be offering a visit to this beautiful city during the conference for you to experience the magic on your own.

 TECHNICAL UNIVERSITY OF LIBEREC  
Institute for Nanomaterials, Advanced  
Technologies and Innovation ■

&

 THE NONWOVENS  
INSTITUTE

### This event is organized by

The Institute for Nanomaterials,  
Advanced Technologies  
and Innovation at Technical  
University of Liberec

and

The Nonwovens Institute at North  
Carolina State University

### This event is supported by

COST - European Cooperation  
in Science and Technology



### For more information

visit: [nart.tul.cz](http://nart.tul.cz)

or contact us at: [nart@tul.cz](mailto:nart@tul.cz)



**NART 2015**  
NANOFIBERS, APPLICATIONS  
AND RELATED TECHNOLOGIES

August 31 -  
September 2, 2015

Liberec,  
Czech Republic



## CONFERENCE GUIDE

### Conference Themes

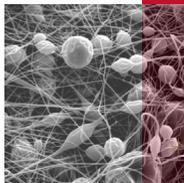
- Micro and Nanofiber Technology and Trends
- Micro and Nanofibers and Related Materials
- Micro and Nanofibers and Other Nanomaterials in Products
- Con-current session:  
COST ACTION MP1206  
Workshop on Electrospun Nano-Fibers  
for Bio Inspired Composite Materials  
and Innovative Industrial Applications.

300 participants  
over 20 nations  
over 100 lectures

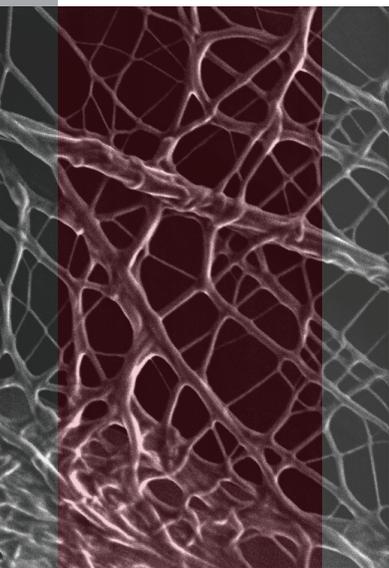
Registration: [nart.tul.cz](http://nart.tul.cz)

## About NART

The objective of the conference is to accelerate the adoption of micro and nanofibers and related (nano) technologies in a wide range of innovative functional products.



NART 2015 will be held in Liberec, Czech Republic on August 31 through September 2, 2015. NART 2016 will be held at The Nonwovens Institute Raleigh, NC.



This conference will bring together experts in the field from universities, research institutes and industry with a common interest in the realization of innovative solutions achieved through the use of micro and nanofibers and other related nanomaterials.

The scope of the event will be broad and will include both academic and industrial interests; the conference proceedings will be cited in recognized scientific databases (Scopus).

## Program Topics

### Micro and Nanofiber Technology and Trends

- Technology Innovations and Trends
- Characterization of Nanofibers
- Modeling and Theoretical Considerations
- Structure and Morphology of Polymeric Organic and Inorganic Nanofibers
- Surface Modification and Functionalization of Nanofibers

### Micro and Nanofibers and Related Materials

- Nanofibers and Functional Nanoparticles
- Nanofibers and Other Nanomaterials Synergies
- Multi-Nano Applications (nanofibers doped with nanoparticles, nanofibers as nanoparticle carriers, nano-delivery systems for environment and bio-medicine, nano-bio-technologies)

### Micro and Nanofibers and Other Nanomaterials in Products

- Business Development Trends
- Nanofiber Industry Challenges
- Nanofiber Cost Benefit Analysis, Return on Investment
- Nanofibers and Nanomaterials in Products  
Automotive, Energy, Infrastructure  
Healthcare / Life Sciences  
Environment / Water / Air

### COST ACTION MP1206:

Workshop on Electrospun Nano-Fibers for Bio Inspired Composite Materials and Innovative Industrial Applications.

## Keynote Speakers



**Alexander Yarin**  
Distinguished Professor, University of Illinois at Chicago



**Seeram Ramakrishna**  
Professor, Center for Nanofibers & Nanotechnology  
National University of Singapore



**Rajender(RAJ) S. Varma**  
Senior Scientist, Sustainable Technology Division,  
National Risk Management Research Laboratory,  
U.S. Environmental Protection Agency



**Behnam Pourdeyhimi**  
Associate Dean for Industry Research and Extension  
William A. Klopman Distinguished Professor,  
Executive Director, The Nonwovens Institute,  
North Carolina State University



**Andreas Greiner**  
Distinguished Professor for Macromolecular Science  
University of Bayreuth, Germany



**George Chase**  
Professor & Associate Chair for Research,  
Department of Chemical and Biomolecular Engineering  
University of Akron



**Masaya Kotaki**  
General Manager  
Kaneka US Material Research Center, Kaneka  
Americals Holding, Inc.  
Adjunct Professor  
Center for Fiber and Textile, Kyoto Institute of Technology



**Ladislav Mareš**  
Founder and Chairman, NAFIGATE Corporation  
Founder of ELMARCO s.r.o.



**David Lukáš**  
Chair of the Department of Nonwovens  
Professor of Textile technology at Faculty of  
Textile Engineering, Technical University of  
Liberec, Czech Republic.