



Embassy of the Czech Republic
in The Hague



The Embassy of the Czech Republic in The Hague together with the Czech Nanotechnology Industry Association (CNIA) would like to invite you to a presentation and networking event titled „**Czech advanced research in nanotechnologies and its successful transfer into commercial solutions**“.

Date:

Thursday, 31st March, 2022
12:00 - 16:30

Venue:

Residence of the Ambassador of the Czech Republic
[Burgemeester van Karnebeeklaan 1, 2585 BA, Den Haag](#)

Event Agenda:

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| 12:00 - 13:00 | Registration, networking buffet-lunch |
| 13:00 – 13:05 | Welcome speech - Mr. Cenek Hajny, Deputy Head of the Embassy |
| 13:05 - 13:10 | Overview of current developments in the Czech nanotechnology research and industry – Mr. Jiri Kus, President of the CNIA |
| 13:10 – 13:50 | Presentations of leading Czech nanotechnology researchers (<i>please see the next page for their list and profiles</i>) |
| 13:50 – 14:00 | Coffee break |
| 14:00 – 14:05 | Remarks by H. E. Katerina Sequensova, Ambassador of the Czech Republic to the Kingdom of Netherlands |
| 14:05 – 15:00 | Presentations of members of the Czech Nanotechnology Industry Association (<i>please see the next page for their list and profiles</i>) |
| 15:00 - 16:30 | Cocktail reception with B2B discussions |

Please kindly confirm your attendance to: commerce_hague@mzv.cz

This event is free of charge.

Czech mission participants and their profiles:

Researchers:

Prof. David Lukas - [Technical University of Liberec](#)

Main scientific and research area of prof. Lukas is in the field of altering current (AC) electrospinning of nanofibrous materials, based on a needleless spinning-electrode in a wide range of applications, particularly in the fields of medicine and material engineering (protective materials, sensors, cosmetics, hygiene, filtration and energy storage).

Prof. Michal Otyepka - [RCPTM/PU Olomouc](#)

Research in physical-chemical properties and reactivity of graphene derivatives and 2D materials and their applications in energy storage, sensing and catalysis. Computational methods and their applications in studies on structure, properties and dynamics of biomolecules, nanomaterials and complex molecular systems.

Prof. Radek Zboril – [RCPTM/PU Olomouc](#)

Development of new low-dimensional nanomaterials including carbon quantum dots, fullerene, graphene and its derivatives, metal organic frameworks, and metal-based nanosystems, which possess exceptional magnetic, photoluminescence, plasmonic, catalytic and storage properties, with applications in biomedicine, water treatment, catalysis, energy and environmental technologies.

Doc. Pavel Banas – [CATRIN/PU Olomouc](#)

Director of the Czech Advanced Technology and Research Institute (CATRIN), with main scientific interests which include molecular dynamics of RNA, enzyme and ribozyme catalysis, QM/MM methods and their application in biomolecular research and enhanced sampling techniques and their application in RNA folding research.

Dr. Michal Urbanek – [CEITEC/VUT Brno](#)

Leader of the CEITEC Nano Research Infrastructure, which provides complex equipment, expertise and methods for nanotechnology and advanced materials R&D. His main research areas include nanofabrication, Electron and ion beam nanolithography, magnetic nanostructures and nanostructured magnetic (meta)materials, as well as magnetism, Spin dynamics in magnetic nanostructures, optical and magneto-optical studies of thin films and nanostructures.

Business representatives:

Mr. Jiri Kus - [Czech Nanotechnology Association](#)

Since 2014, the Association brings together Czech nanotechnology companies from different fields of business, from the textile industry and biotechnology through environmental applications and optics to power generation.

Mr. Jan Jonas - [FN NANO](#)

Company FN NANO introduced highly efficient photocatalytic coatings of the 2nd generation - functional coatings with an extremely strong photocatalytic effect and other products using the same technology.

Mr. Tomas Tethal – [IQS Group](#)

IQS Group is the architect and builder of structures in the size of a human hair, but also a thousand times smaller. These structures are so small that they can bend a beam of light, create a supporting scaffold for cell growth, or help to produce clean energy.

Ms. Lada Tomeckova Vyvialova - [Lada Vyvialova Creative Platform](#)

Czech design studio creating smart fashion from nanomaterials. LADA makes ready-to-wear clothes as well as clothes for company workers, which have a UV filter, thermoregulatory, antiseptic and antibacterial properties while removing excessive body moisture.

Mr. Michael Carvan - [Lifetech](#)

Czech technological company with a global reach and top know-how in pool, drinking and wastewater treatment. The firm deals with air disinfection and deodorization and also applications of nanoparticles, using the photocatalysis process, ozone technology, UV, and AOP (Advanced Oxidation Process).

Ms. Marketa Klicova - [NANOPHARMA](#)

Engineering company focusing on research, development and production of innovative material solutions using nanofiber structures for the specific needs of research and industry.

Ms. Lucie Konecna - [NanoSPACE](#)

Manufacturer of barrier-free bedding for people suffering from allergies, as well as antivirus scarves. The largest Czech online store with nanofiber products.

Mr. Ladislav Torcik - [NanoTrade](#)

The company NanoTrade carries out applied research and development in the field of antibacterial applications and functional antibacterial nanosilver® underwear, nanoproducts for daily use and special technology for year-round skiing.

Mr. Jarek Dolak - [SVCS Process Innovation](#)

SVCS is manufacturer of thermal reactors (furnaces) that are used either for production or for R&D of semiconductors. Other target areas of SVCS include MEMS, nanomaterials and nanotechnologies, sensors and thin films.

Mr. Rostislav Vana, Mr. Milos Hrabovsky – [TESCAN Brno](#)

TESCAN is a global supplier of scientific instruments. The company is building its reputation and brand name in the field of designing and manufacturing scanning electron microscopes and system solutions for different applications.