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# TAIEX Regional Workshop on Biomedical Engineering: Nanotechnology

**organised in co-operation with**

Ministry of Civil Affairs of Bosnia and Herzegovina

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**9 - 10 July 2018**

**Venue:**

Hotel Mostar\*\*\*\*

Kneza Domagoja b.b.

**Mostar**

**Beneficiaries:**

Bosnia and Herzegovina, Albania, Kosovo, Montenegro, Serbia,  
the former Yugoslav Republic of Macedonia

ETT 65376

Organised and funded by the  
**Technical Assistance and Information Exchange Instrument**  
of the European Commission



## **Aim of the Workshop:**

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The aim of the workshop is to enhance local capacity for education, research and innovation in the field of nanotechnology. The EU experts will present the current state-of-the-art technical expertise to participants from relevant regional public institutions; university departments offering study programmes related to nanotechnology; and to representatives of professional associations related to nanotechnology. Participants from all the Western Balkan countries are expected and this will provide an opportunity to strengthen the inter-relationships between regional institutions and enable future co-operation.

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- **Dr Antonio Cricenti**  
Head of research  
Istituto di Struttura della Materia, Italy
- **Dr Daniela Täuber**  
Leibniz Institute of Photonic Technology  
Germany
- **Dr Dionysios Mouzakis**  
Associate Professor, Mechanics of Materials Laboratory Director  
Hellenic Army Academy, Greece
- **Dr Luis A. Tortajada-Genaro**  
Chemistry department  
Universitat Politecnica de Valencia, Spain
- **Dr Ms Natalya Kizilova**  
Professor,  
Warsaw University of Technology, Poland
- **Dr Alejandro Pérez De Luque**  
Permanent Researcher  
Department of Plant Breeding and Biotechnology, Instituto de Investigación y Formación Agraria, Pesquera, Alimentaria (IFAPA), Spain
- **Dr Norberto Masciocchi**  
Professor of Chemistry, Department of Science and High Technology & To.Sca.Lab.  
University of Insubria, Italy



## Day 1: Monday 9 July 2018

Chair: Ms Enisa Omanović Mikličanin, PhD, University of Sarajevo

08:30	<i>Registration of participants</i>
09:00	Welcome speech by: <ul style="list-style-type: none"><li>– Representative of Delegation of the European Union, <b>Mr/Ms tbc</b></li><li>– Representative of Ministry of Civil Affairs of Bosnia and Herzegovina, <b>Mr Ammar Mirašćija</b></li><li>– President of Bosnia and Herzegovina Medical and Biological Engineering, <b>Dr Almir Badnjević</b></li></ul>
09:30	What is nanotechnology? Synthesis and characterization of nanomaterials and applications <b>Dr Dionysios Mouzakis</b>
10:15	Nanospectroscopy tools: From scanning tunnelling microscope (STM) to atomic force microscopy (AFM) and wide-field, confocal & scanning near-field optical microscopy (SNOM): applications to nanostructures. <b>Dr Antonio Cricenti and Dr Daniela Täuber</b>
11:15	<i>Coffee break</i>
11:30	Application of nanotechnology and nanospectroscopy in medicine, nanomedicine <b>Dr Antonio Cricenti</b>
12:15	Application of nanotechnology in agriculture <b>Dr Alejandro Pérez De Luque</b>
13:00	<i>Lunch break</i>
	<i>Please be reminded to sign the attendance list</i>
14:00	Application of nanoemulsions in Cosmetics Speaker: <b>Dr Natalya Kizilova</b>
14:45	Nanoanalytical devices Speaker: <b>Dr Luis A. Tortajada-Genaro</b>
15:30	<i>Coffee break</i>
15:45	Nanospectroscopy in energy: Applications to organic photovoltaics <b>Dr Daniela Täuber</b>
16:15	End of day 1

## Day 2: Tuesday 10 July 2018

Chair: Dr Almir Badnjević, PhD,

**Bosnia and Herzegovina Medical and Biological Engineering Society**

	<i>Please be reminded to sign the attendance list</i>
09:00	EU regulative about nanomaterials <b>Dr Dionysios Mouzakis</b>
09:45	Nanomedicine – regulative and toxicological aspects <b>Dr Natalya Kizilova</b>
10:30	<i>Coffee break (including a Group Photo)</i>
11:00	Nanotechnology, Society and Environment <b>Dr Luis A. Tortajada-Genaro</b>
11:45	Nanomaterials characterization by advanced scattering techniques <b>Dr Norberto Masciocchi</b>
13:00	End of day 2

## More information on TAIEX:

[near-taix@ec.europa.eu](mailto:near-taix@ec.europa.eu)

<http://ec.europa.eu/taix>

<http://ec.europa.eu/taix/experts>



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