

Newsletter #2

EMCC Roadmap for Materials Characterisation

The European Materials Characterisation Council (EMCC) elaborates and proposes actions focusing on characterisation of materials necessary to spur and to support industrial exploitation of innovative materials in Europe. A Roadmap to describe the actions to address the needs in the field of materials characterisation is developed. This Roadmap acknowledges the urgency of advances in materials characterisation for boosting competitiveness and growth of the European industry. Based on the outcomes of the interaction and a broad consultation between stakeholders in the EMCC, during more than one year of work, the developed roadmap identifies gaps in the process of advancing materials characterisation for industry and proposes actions to address them. Key topics include the need for improved coordination and harmonisation of efforts at EU level, the establishment of European platforms for characterization, a discussion on the needs for standardisation, technological advancement of characterisation tools for nano-materials and advanced characterisation of materials to support modelling at multiple scales.

The stakeholders involved in the preparation of this Roadmap represent the whole spectrum of the Material Characterisation Community in Europe:

- Industrial end-users
- Equipment manufacturers (large companies & SMEs)
- Research Institutions
- Universities

Stakeholders interested to become Members of the EMCC, or to obtain more information about the Roadmap, are invited to interact with the EMCC representatives at ENF2017 (June 2017, Malta) or to go on the EMCC website:

<http://www.characterisation.eu/>



EuroNanoForum
2017

EMCC at EuroNanoForum 2017

21 - 23 June 2017, Valletta, Malta

<http://euronanoforum2017.eu/>

On Friday 23rd June 2017 the EMCC is running a workshop on *Developing an industry-driven roadmap for Materials Characterisation in Europe*. The objective of the workshop is to give a comprehensive overview of the EMCC initiative and promote a fruitful discussion on the current main challenges related to Materials Characterisation for European industry. The workshop includes presentations by Alexander M. Korsunsky (Oxford University, UK) and Spyros Diplas (SINTEF, Norway) as well as a round table discussion on *Characterisation technology: a key enabling technology to accelerate materials and products development in Europe*. [more.](#)

FRIMACHAT 2017

The international workshop *Frontiers in Materials Characterisation towards Industrial Translation* (FRIMACHAT) 2017 will take place on 11-13 July at University of Limerick in Ireland, and is co-organized and supported by [Modelling Simulation and Innovative Characterisation \(MOSAIC\)](#) Group, Bernal Institute at University of Limerick and European Materials Characterisation Council (EMCC).

5th Dresden Nanoanalysis Symposium “In-Situ Microscopy”

The 5th Dresden *Nanoanalysis Symposium*, jointly organized by the Dresden Fraunhofer Cluster Nanoanalysis (DFCNA) and the Dresden Center for Nanoanalysis (DCN) at TU Dresden, and supported by the European Materials Characterization Council (EMCC) will be held at the Fraunhofer Campus Dresden, Winterbergstrasse, on September 1, 2017. It will provide highlights in the field of materials characterisation, represented by invited talks and poster sessions. [more.](#)

Final NanoDefine Outreach Event “Classification of Materials according to the EU Nano-Definition”

The final [NanoDefine](#) *Outreach Event* will take place on 19-20 September 2017 in Brussels.



This 2-days meeting will give a unique opportunity to learn more about the outcome of the [NanoDefine](#) project and possible practical implications, and how to meet future regulatory needs associated with the practical implementation of the EU recommendation on the Definition of Nanomaterial (2011/696/EU). [more.](#)



EUROMAT2017

The European Congress and Exhibition on Advanced Materials and Processes will be held on 17-22 September 2017 in Thessaloniki, Greece.

Postgraduate Program at NTUA

The [Interdisciplinary Postgraduate Program “Materials Science and Technology”](#) coordinated by the School of Chemical Engineering of National Technical University of Athens (NTUA) has focused on the education of students on materials characterisation. More specifically, during the second semester prominent scientists are invited to give lectures and thereof familiarize students with areas of advanced science and technology, such as materials characterisation, highlighting its importance to engineering and upscaling, new methodologies, and the development of novel advanced materials and nanomaterials.

