NEWSLETTER

nanoMECommons

2024 – ISSUE 1

Overview

The **NanoMECommons** is a 4-year project, led by the National Technical University of Athens (NTUA). This project is funded by the EU H2020 Research and Innovation action - RIA (Grant Agreement 952869). It has the participation of 19 partners (11 from industry and 8 academia and research), coming from 10 countries. NanoMECommons will establish a transnational and multidisciplinary research and innovation network to tackle the problem of nanomechanical materials characterisation in multiple industries. The focus of NanoMECommons is to employ innovative nano-scale mechanical testing procedures in real industrial environments, by developing harmonised and widely accepted characterisation methods, with reduced measurement discrepancy, and improved interoperability and traceability of data.

Surface science and nanostructures, Nano-materials (production and properties), Characterization methods of materials, Nanotechnology, nano-materials, nano engineering

A report on the Joint Workshop of the NMBP-35 projects has been published

A report on the recent joint workshop of the NMBP-35 projects (nanoMECommons, Charisma, and EASY-STRESS) has now been published on the Zenodo platform. To read this report, follow **this link.**


Report on NMBP-35 Workshop: "From Research to Industry: How Characterisation and Digitization Change the Game"

The workshop was held in Madrid on Wednesday 17 January, 2024, and was supported by the European Materials Characterisation Council (EMCC).

CEN Workshop to Revise CWA 17815:2021: "Materials Characterisation - Terminology, Metadata and Classification

The field of materials characterisation and modelling encompasses a vast array of materials and applications. This has led to numerous communities developing specialized terminologies for their specific needs. While these terminologies are valuable, advancements in advanced materials and nanotechnology require a strong interdisciplinary approach to bridge these communities.

This CEN workshop aims to establish a common language (definitions and vocabulary) for materials characterisation and modelling. The workshop targets professionals in research and development across various industries, particularly those involved in material characterisation and modelling. The resulting CEN Workshop Agreement (CWA) will enhance communication among experts in all areas of materials characterisation and modelling and facilitate exchange between industrial end-users, experimentalists, and computational modellers.

Workshop Details:

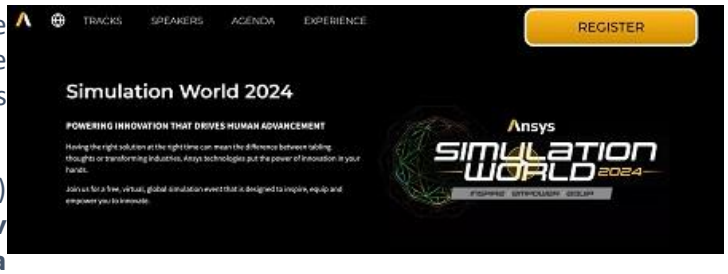
Secretariat: *UNI, the Italian National Standards Body*

Kick-off Meeting: Online, 24 May 2024, 09:30 – 12:30 CEST

To learn more and register, follow **this link.**

nanoMECommons will be present at the SimulationWorld - May 14-16, 2024

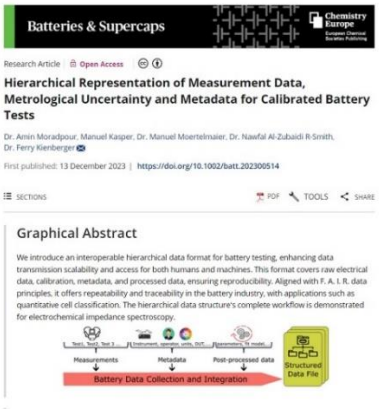
The SimulationWorld is a 3-day online conference organized by Ansys (nanoMECommons partner), where the **AI/ML Track** will explore the incredible innovations driven by AI-accelerated engineering.



Dr David Mercier (Ansys Senior R&D Project Manager) will be giving a presentation titled: **Dataflow Development and ML for Nanoindentation Data Analysis**. For more information on this event, please visit this link.

nanoMECommons publication

The partner Keysight, with the support of the nanoMECommons project, has published in the Chemistry Europe (Volume7, Issue3 -March 2024), a paper titled: Hierarchical Representation of Measurement Data, Metrological Uncertainty and Metadata for Calibrated Battery Tests.



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To read this paper, follow this link.

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