

nanoMECommons

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

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Project Overview

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. To achieve this goal, **NanoMECommons** will offer protocols for multi-technique, multi-scale characterisations of mechanical properties in a range of industrially relevant sectors, together with novel tools for data sharing and wider applicability across NMBP domain: reference materials, specific ontologies and standardised data documentation.

Partners

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|  <p>R-NANO Research Unit of Advanced, Composite, Nanotechnology & Nanotechnology</p> |  <p>ROMA TRE UNIVERSITÀ DEGLI STUDI</p> |  <p>SINTEF</p> |  <p>ARISTOTLE UNIVERSITY OF THESSALONIKI</p>  <p>Itfn nanotechnology lab</p> |
|  <p>MONTAN UNIVERSITÄT LEIBEN</p> <p>Materials Science</p> |  <p>CSIC</p> |  <p>IRES Innovation Research & Engineering Solutions</p> |  <p>Fraunhofer IWM</p> |
|  <p>GOLDBECK CONSULTING</p> |  <p>ESRF The European Synchrotron</p> |  <p>CAMBRIDGE NANOMATERIALS TECHNOLOGY LTD</p> |  <p>Ansys / GRANTA</p> |
|  <p>KEYSIGHT TECHNOLOGIES</p> |  <p>THALES RESEARCH & TECHNOLOGY</p> |  <p>FCA FIAT CHRYSLER AUTOMOBILES</p>  <p>CRF</p> |  <p>oet ORGANIC ELECTRONIC TECHNOLOGIES</p> |
|  <p>BASF We create chemistry</p> |  <p>conify powder technology</p> |  <p>MESA-CONSULT</p> | <p>Partners</p> |

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