

BETA

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▶ Biomedicine and Molecular Biosciences (BMBS)

▶ **Chemistry and Molecular Sciences and Technologies (CMST)**

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▶ Materials, Physics and Nanosciences (MPNS)

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▶ Trans-Domain Proposals

CMST COST Action D36

Molecular structure-performance relationships at the surface of functional materials

Descriptions are provided by the Actions directly via e-COST.

The main objective of the Action is to increase the fundamental knowledge and understanding of the chemistry occurring at surfaces and interfaces and the factors that tune it. An interdisciplinary, combined effort is the approach. A fundamental approach is advocated, even for industrially oriented research projects. This requires precisely defined problems at all levels and an interdisciplinary approach i.e. synthesis and activation of the materials; measurement of the surface properties; understanding surface properties at the atomic, molecular or cluster level and theoretical understanding of these properties in relation to chemical composition and the structure of the surface. As a consequence, the secondary objective is to gain advanced knowledge for modelling/predicting of the structure/composition reactivity/surface properties relationships of the materials, by means of characterisation of the bulk and surface properties under real operation conditions and for preparing materials with tuneable properties.

Chemistry and Molecular Sciences and Technologies COST Action D36

▶ **Description**

▶ Parties

▶ Management Committee



General Information*

Chair of the Action:

[Prof. Miguel BANARES](#) (ES)

Vice Chair of the Action:

[Prof. Robert SCHOONHEYDT](#) (BE)

DC Rapporteurs:

[Prof. Vasile PARVULESCU](#) (RO)

Science officer of the Action:

[Dr Lucia FORZI](#)

Administrative officer of the Action:

[Ms Svetlana VOINOVA](#)

Downloads*

Action Fact Sheet

[Download AFS as .RTF](#)

Memorandum of Understanding

[Download MoU as PDF](#)

Progress Report

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Websites*

Action website:

<http://www.uma.es/costd36/index.htm>

Domain website:

<http://www.cost.eu/cmst>

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