



- ▶ All Actions
- ▶ Biomedicine and Molecular Biosciences (BMBS)
- ▶ Chemistry and Molecular Sciences and Technologies (CMST)
- ▶ Earth System Science and Environmental Management (ESSEM)
- ▶ Food and Agriculture (FA)
- ▶ Forests, their Products and Services (FPS)
- ▶ Individuals, Societies, Cultures and Health (ISCH)
- ▶ Information and Communication Technologies (ICT)
- ▶ **Materials, Physics and Nanosciences (MPNS)**
 - In Detail
 - **Actions**
 - Restricted Area
- ▶ Transport and Urban Development (TUD)
- ▶ Trans-Domain Proposals

MPNS COST Action MP1003

European Scientific Network for Artificial Muscles (ESNAM)

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

The objective of this COST Action is to foster and accelerate long-term advancement of 'artificial muscle' science and technology based on electroactive polymers (EAPs) as smart actuation materials, through a scientific network among leading European institutions and industries. Research and development on EAP materials and devices is a well established scientific field, bridging material science, mechanical and electrical engineering, and medical disciplines. In Europe, a number of world-leading research institutes with consolidated expertise in this field have formed an informal network, called ESNAM. A COST Action intends to provide content and form to this network through coordination of mutual research activities and creation of a common platform for education, dissemination, early-stage researcher training, standardisation of methods, techniques and processes, along with industrial exploitation. This will represent, at global level, the first example of its kind, able to strengthen the impact of European science and technology. Partners involved in this COST Action intend to stretch forward their networking activities well beyond the inevitably limited time frame of this Action, especially by preparing a road-map aimed at merging both research and industrial perspectives and needs, so as to properly target the wide-spread use of the EAP technologies in the European industry.

Materials, Physical and Nanosciences COST Action MP1003

- ▶ **Description**
- ▶ Parties
- ▶ Management Committee



General Information*

- Chair of the Action:**
[Dr Federico CARPI](#) (IT)
- Vice Chair of the Action:**
[Dr Gabor KOVACS](#) (CH)
- DC Rapporteurs:**
[Prof. Zdravko SCHAUPERL](#) (HR)
- Science officer of the Action:**
[Dr Caroline WHELAN](#)
- Administrative officer of the Action:**
[Mr Kent HUNG](#)

Downloads*

- [Action Fact Sheet](#)
[Download AFS as .RTF](#)
- [Memorandum of Understanding](#)
[Download MoU as PDF](#)
- [Progress Report](#)
[Download Progress Report as PDF](#)

Websites*

- Action website:**
<http://www.esnam.eu>
- Domain website:**
<http://www.cost.eu/mpns>

* powered by e-COST

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