sCorPiuS
Project ID: 636906
Funded under:
H2020-EU.2.1.1. - INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies - Information and Communication Technologies (ICT)
H2020-EU.2.1.5.1. - Technologies for Factories of the Future

European Roadmap for Cyber-Physical Systems in Manufacturing

From 2015-02-01 to 2017-01-31 | sCorPiuS Website

Project details

| Total cost: | Topic(s): |
| EUR 792 938.75 | FoF-01-2014 - Process optimisation of manufacturing assets |

| EU contribution: | Call for proposal: |
| EUR 610 013.75 | H2020-FoF-2014 |

| Coordinated in: | Funding scheme: |
| Italy | CSA - Coordination and support action |

Objective

The worldwide economic downturn forces the Western companies to cut costs and enhances the performances of their processes in order to maintain the European leadership and excellence in manufacturing. Effectively, European businesses cannot compete anymore on workforce costs with Eastern countries: as a result the manufacturers have to leverage on more sustainable and efficient production systems.

In this scenario ICT has represented, throughout the years, the crucial enabler for preserving competitiveness and fostering industry innovation. In particular, Cyber-Physical Systems (CPS) is a breakthrough research area for ICT in manufacturing and represents also the new innovation frontier for accomplishing the EU2020 “smart everywhere” vision. Thus, an important factor for a successful innovation strategy is a more aware and widespread use of the CPS engineering in the manufacturing environment to ensure a competitive advantage for business success and jobs creation.

sCorPiuS investigates, in particular, the role of CPS as a lever to empower manufacturing performance and proposes the creation of a roadmap capable to preempting the most important technological trends. Therefore, the project purpose is to support the planning of the Research and Innovation activities with the involvement of the most important European stakeholders. In addition, the dissemination of the project activities is crucial for the success of the project and for the sustainability of its outputs in the long term, the principle behind is that collaboration is the enabler of innovation. For these reasons, one of the main objectives of sCorPiuS is to perform activities for creating consensus, community building and awareness within the targeted communities of the European Union.

Related information

Report Summaries
Periodic Reporting for period 2 - sCorPiuS (European Roadmap for Cyber-Physical Systems in Manufacturing)
Coordinator
FONDAZIONE POLITECNICO DI MILANO
PIAZZA LEONARDO DA VINCI 32
20133 MILANO
Italy
EU contribution: EUR 281,250

Activity type: Research Organisations
Contact the organisation

Participants
ROBERT BOSCH GMBH
ROBERT-BOSCH-PLATZ 1
70839 GERLINGEN-SCHILLERHOEHE
Germany
EU contribution: EUR 488,75

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments)
Contact the organisation

SIEMENS AKTIENGESELLSCHAFT
WERNER-VON-SIEMENS-STR. 1
80333 MUNCHEN
Germany
EU contribution: EUR 55,500

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments)
Contact the organisation

SCUOLA UNIVERSITARIA PROFESSIONALE DELLA SVIZZERA ITALIANA
STABILE LE GERRE
6928 MANNO
Switzerland
EU contribution: EUR 0

Activity type: Higher or Secondary Education Establishments
Contact the organisation

HOLONIX SRL
CORSO ITALIA 8
20821 MEDA (MB)
Italy
EU contribution: EUR 120,875

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments)
Contact the organisation
EU contribution: EUR 103 500

FUNDACION TECNALIA RESEARCH & INNOVATION
PARQUE CIENTIFICO Y TECNOLOGICO DE BIZKAIA, ASTONDO BIDEA, EDIFICIO 700
48160 DERIO BIZKAIA
Spain

Activity type: Research Organisations

Contact the organisation

Last updated on 2019-06-24
Retrieved on 2019-08-13

© European Union, 2019