

Digital Single Market

Call for proposals

31/01/2014 to 12/09/2014

H2020-FoF-8-2015 Call for Proposals for ICT-enabled modelling, simulation, analytics and forecasting technologies

Simulating continuous and discrete manufacturing processes, forecasting the behaviour of manufacturing systems and processes, and designing products to an even larger extent through virtual mock-ups and optimization methods integrated in the design and production chain are key enablers for Europe's future manufacturing sector.

Advances in ICT in terms of high performance computing power and communication speed, smart sensor technologies for generating and exploiting "big data", the convergence of the embedded world and the Internet/Cloud world in cyber physical systems (CPS), multi-modal visualisation and interaction technologies, are leading to a new generation of modelling, simulation, forecasting and decision support methods and tools. These offer a huge potential for making the whole manufacturing chain more competitive.

For further reference, please check the [summary](#) [1] of the workshop on *Fostering Innovation for Cyber-Physical Systems, Advanced Computing and Manufacturing*. All the presentations are published [here](#) [2].

[Topic: ICT-enabled modelling, simulation, analytics and forecasting technologies in the Participant's Portal](#) [3]

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[1] <https://ec.europa.eu/digital-single-market/en/news/workshop-results-fostering-innovation-cyber-physical-systems-advanced-computing-and>

[2] <http://ec.europa.eu/digital-single-market/events/cf/cps-acm/stream-items.cfm?id=243>

[3] <http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/2187-fof-08-2015.html>

