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EMI 1, open source middleware and the road to sustainability

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Overview

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Impact

Dr. Alberto Di Meglio graduated in Aerospace Engineering at the Politecnico di Milano in 1993 and received a Ph.D. in Electronic and Electrical Engineering from the University of Birmingham in 2000. Alberto has worked as Research Associate at the Electrical & Electronic Engineering School of the University of Birmingham from 1995 to and joined CERN in 1998 where he worked for three years as systems engineer in the Information Technology Division. During that period, Alberto was responsible for a number of projects in the field of networked and web systems. In 2001 he left CERN to fund a software company developing a multi-platform system for the management and monitoring of distributed systems using the WBEM standards. Alberto was Chief Technology Officer and R&D Manager responsible for development, integration and testing of the company software. In 2003, he was appointed by CERN as Software Integration Manager in the Middleware Reengineering Activity of the first EGEE project. At the end of the EGEE project, thanks to the successful results obtained with the integration and testing tools and procedures developed for gLite, Alberto set up the ETICS project, an international infrastructure co-funded by the EC FP7 program for building and testing software on the grid. In 2010 he become EMI Project Director. He is a member of the Italian Board of Engineers, a Chartered Engineer of the British Engineering Council, a member of IET and IEEE and a certified ITIL professional.

Description of the work

Together with EGI and the other European DCI projects, EMI is implementing a roadmap to provide user communities with sustainable, accessible, dependable European research infrastructures. The EMI 1 release represents the first important step taken by the EMI project towards the realization of this vision. It builds on best practice open source policies, standards and a close and proactive relationship with users and service administrators and provides an integrated distribution of services, clients and libraries easier to install, manage and use. Additional work will be done in the coming months to simplify and harmonize the software, integrate it with emerging cloud technologies and create an active international open source community supporting its development and maintenance.

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