

EUROPEAN PROJECT ADDRESSES THE PARADIGM OF “ANY NETWORK” “ANY DEVICE” TECHNOLOGY FOR SOFTWARE DEVELOPMENT

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MUSIC, a multi-national project, funded by the European Commission under the European Union's 6th Framework project was announced today. MUSIC will result in the development of open platform technology for software developers, addressing a paradigm of 'any network', 'any device' with relevant content and the right context in a secure and trustworthy manner. The new platform is particularly interesting to the open source community. The project aims to provide an open platform that makes it technically and commercially feasible for the wider IT industry to develop innovative mobile applications.

The technical challenges addressed in the MUSIC project will include the following:

- develop an open platform for the development of self-adaptive mobile applications, including methods, tools and middleware
- use of the platform to develop trial applications, based on a set of challenging application scenarios and to:
 - drive research and development
 - assess the technical quality of the project results
 - promote project results to the wider IT industry
- research to produce the framework needed for the platform
- use an open source approach for core project results to ensure widespread uptake of the project results.

“Software is becoming an even more important part of our ‘mobile’ lives”, says Mr. Horn from SINTEF Norway, the project manager of MUSIC. “As we move around we are all confronted with the challenging task of keeping up to date and adapting to the changing environments where we may happen to try to maximize the utility provided by our software support systems. The MUSIC platform will make this easier for us, enabling us to focus on the work as we move around. MUSIC represents a major practical approach to ‘auto’ configuration of software systems. It represents an innovative way to handle unavoidable software system complexity. MUSIC will certainly impact our daily lives in the near future and it will enable us to stay productive while on the move.”

MUSIC will impact several sectors:

- Service providers (both public and commercial) will be able to reach and satisfy their users better and see increased market for their products.
- Software developers will be able to reach higher levels of productivity in the development of self-adapting software by adopting MUSIC methods and tools.
- Communication infrastructure operators will have a better means for optimizing the use and availability of their resources.
- Manufacturers of mobile devices and vendors will see increased demands for their products.

‘The University of Cyprus Software Engineering and Internet Technologies (SEIT) Lab is delighted to be involved in a research project such as MUSIC. As an academic institution, the university will be involved in basic research activities such as knowledge generation and technology development. The university also sees the potential use of knowledge gained from the project in appropriate courses and the publication of related research papers’ says Professor George A. Papadopoulos

About the MUSIC Consortium

The MUSIC Consortium is composed by the following organizations:

- SINTEF, Norway: Is the largest independent R&D organisation in the Nordic countries, employing in excess of 1700 employees.
- SID2U, Ireland: Is an emerging company specializing in the development of desktop and network management systems.
- Hewlett Packard, Italy: Is a leading global provider of products, technologies, solutions and services to consumers and business.
- Appear Network, Sweden: Is a software provider for context-awareness services over wireless networks.
- Condat AG., Germany: Is a leading provider of innovative and integrated products for leading European companies.
- Mobicomp, Portugal: Is a leading mobile computing and wireless solutions provider.
- Integrasys, Spain: Is an engineering company specializing in innovative and integrated products for automated measurement systems in telecommunications.
- Telefónica I+D, Spain: Is an R&D subsidiary of Telefónica S.A..
- RATP, France: Is the leading French urban transport operator employing over 42,000 employees.
- European Media Laboratory, Germany: Is a high-tech company for advanced research into information technology.
- University of Kassel, Germany: Offer a wide spectrum of engineering subjects including engineering science and has over 17,000 students in 14 departments.
- University of Cyprus: The Department of Computer Science was established in 1992 and has over thirty graduate students and more than two hundred undergraduate students.
- Katholieke Universiteit Leuven, Belgium: The Department of Computer Science is the largest IT department in Belgium and its research group 'DistriNet' is a centre of expertise in software technology R&D.
- University of Oslo, Norway: The Department of Informatics at the University of Oslo, part of the Mathematics and Natural Science is the largest Science Faculty for educational and basic research in Norway.

Additional on-line information:

- www.sintef.no
- www.sid2u.com
- www.hp.com
- www.appearnetworks.com
- www.condat.de
- www.mobicomp.com
- www.integrasys-sa.com
- www.tid.es
- www.ratp.fr
- www.eml-d.villa-bosch.de
- www.uni-kassel.de
- www.cs.ucy.ac.cy
- www.cs.kuleuven.be
- www.ifi.uio.no

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