



Dr. Spyros Lalis

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Biography

Dr. Spyros Lalis received a Diploma in Computer Engineering and a doctorate in Technical Sciences from the Swiss Federal Institute of Technology Zurich (ETHZ). Since 1997 he is Research Associate at the Institute for Computer Science of the Foundation for Research and Technology Hellas (FORTH). From 1997 he was Visiting Assistant Professor at the Computer Science Department of the University of Crete. Since 2000 he is Visiting Assistant Professor at the Computer and Communications Engineering Department of the University of Thessaly.

Interests

His interests include Programming Languages and Systems, Software Engineering, Distributed and Parallel Systems, Network Computing, Ubiquitous and Pervasive Computing, and Economies of Electronic Services/Goods.

Activities

He is the author of the Concurrent Oberon system, an extension of the Oberon workstation operating system (developed at the Swiss Federal Institute of Technology by Niklaus Wirth and Jurg Gutknecht) with support for lightweight threads and object-oriented distributed computing. He is coordinator of 2WEAR, a recently initiated project in the area of ubiquitous computing (more info at zwear.ics.forth.gr).

In brief, the goal of 2WEAR is to develop an architecture for a dynamic 'personal' system consisting of several wearable and portable devices that can be freely added and removed, and which can exploit features of the surrounding computing infrastructure, en passant. Distribution of functions and services, seamless communication between components residing on different devices (and the environment), and dynamic discovery, extensibility and adaptation are key properties of the system. The 2WEAR project is funded under the FET/Disappearing Computer research initiative of the EC (www.disappearing-computer.net).

References

A short paper presenting first thoughts about the vision and goals of the 2WEAR project can be found at: istevent.ccc.eu.int/sessiondata/Summary_241_sumeng_pdf.pdf.