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Norbert Streitz, Fraunhofer IPSI, Darmstadt, Germany  
Achilles Kameas, Hellenic Open University, Patras, Greece  
Irene Mavrommati, Computer Technology Institute, Patras, Greece (Eds.)

## The Disappearing Computer

**Interaction Design, System Infrastructures  
and Applications for Smart Environments**

"The-computer-as-we-know-it" will have no role in our future everyday lives. This is the position taken in this book which elaborates how it will be replaced by a new generation of technologies, moving computing off the desktop and ultimately integrating it with real world objects and everyday environments. Computing becomes thus an inseparable part of our everyday activities while simultaneously disappearing into the background. It becomes a ubiquitous utility taking on a role similar to electricity – an enabling but invisible and pervasive medium revealing its functionality on request in an unobtrusive way and supporting people's everyday activities.

As members of the Steering Group of the EU-funded Disappearing Computer research initiative, the editors of this book successfully assembled a collection of 13 elaborate chapters and three forewords that address the issues and challenges in this area. All authors are prominent researchers who set out investigating, developing and deploying future, people-centred smart environments. This book provides a unique combination of concepts, methods and prototypes of ubiquitous and pervasive computing reflecting the current interest in smart environments and ambient intelligence.

### Excerpts from the forewords for the book:

"The Disappearing Computer initiative anticipated and pioneered the concept of ambient intelligence (...) and allowed to advance the boundaries of what is possible with the computer today". (Thierry van der Pyl/Thomas Skordas, EU Commission)

"While substantial progress was shown on the creation of information artefacts, it is the new behaviors and user experiences that promise long-term impact". (Gregory Abowd, GeorgiaTech, USA)

"This current volume undoubtedly provides a major contribution to fill up this gap of knowledge." (Emile Aarts, Philips Research, on the relationship of ambient technology and people's behavior)

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