

# Managing Interactions in Smart Environments

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Paddy Nixon, Gerard Lacey and Simon Dobson (Eds)

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# Managing Interactions in Smart Environments

1st International Workshop on Managing Interactions in  
Smart Environments (MANSE '99), Dublin, December 1999



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University of Dublin, Trinity College*



Springer

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## Foreword

The embedding of computational intelligence into the objects of our daily lives has been made feasible by recent developments in computer hardware design. The citizen of the future has the prospect of having their clothes, their personal digital assistant and their home, communicate via a wireless network. We can see from the next generation of mobile phones that the Internet and multimedia technology will be truly mobile and ubiquitous. This presents great opportunities for new applications and facilitates new ways of interacting with computers. It also challenges researchers to find new ways of developing and managing these dynamic and diverse systems.

The ubiquity of network access and power of embedded processors will allow the customisation of systems to meet your personal preferences no matter where you are: The radio in your Bangkok hotel room will automatically tune to your favourite web radio station, your personal agent recommends a list of good local restaurants with tables available, the room recognises that you are sleeping and so filters your mobile phone calls except those from your kids. The possibilities for applying this technology are limited only by our imaginations.

In this first MANSE workshop we are concerned with managing the storm of interactions within smart environments and during the workshop we intend to demonstrate some potential applications in our own building, the O'Reilly Institute. Interdisciplinary work is very important and it is particularly pleasing that the workshop is being organised by two of our leading research groups, the Computer Vision and Robotics Group and the Distributed Systems Group. Such a workshop is a fitting way to mark the thirtieth anniversary of the Department of Computer Science at Trinity College, Dublin.

The papers which have been selected by the international programme committee aim to define a new interdisciplinary domain within Computer Science. This collection of papers represents some of the highest calibre industrial and academic research from both Europe and America. I hope that this will be the first of a series of MANSE workshops and that it will be a particularly enjoyable and creative one for the attendees.

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October 1999

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