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AmILP 2016

Proceedings of the First International Workshop on Ambient Intelligence for Large Premises

Co-located with the European Conference on Artificial Intelligence (ECAI 2016)

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Preface

This volume contains the papers presented at AmILP 2016: First International Workshop on Ambient Intelligence for Large Premises held on August 28, 2016 in The Hague, the Netherlands.

Ambient Intelligence (AmI) is intended to provide users with systems that are tightly integrated with their everyday environment and activities. The goal is to minimize the need of explicit actions by users through the continuous and distributed gathering of information and actuation of heterogeneous devices. With the advances in the field, AmI is pursuing growingly ambitious goals in terms of the size of its smart spaces, the number of served users, and the level of adaptation to them.

AmILP 2016 was a forum for discussing recent advances in engineering complex AmI systems acting in large premises. It focused on the particular challenges and potential solutions that appear when AmI moves to Large Premises (LP). The Workshop accepted seven full papers dealing with some of technical and social multidisciplinary issues of this domain. Some of the issues discussed were new requirements and challenges that emerge related with the simulation and coordination of big groups of people moving in large premises. These issues fall beyond the classical closed and controlled environments of most AmI systems. The ways of interaction, the expected services, and the behaviour of people acquire a new dimension and variability in such interconnected large smart spaces. AmI systems need to adapt to crowd movements using large numbers of multiple and heterogeneous resources in frequently uncontrollable environments that cause unexpected dynamic changes in the system setting.

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More information on the Workshop can be found at the official AmILP 2016 webpage <http://grasia.fdi.ucm.es/amilp2016/>

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