

Visual Sensor Networks

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Aula 42, Rizzi & Lab6, CePo (teledidattica)

Abstract

Networks of cameras are currently pervading into our everyday life—ranging from the scale of countries and cities, over buildings down to individual persons. As the technology for smart camera networks advances, we expect to see many new applications open up.

In this seminar I will present an overview of sensor network research project at the Institute of Networked and Embedded Systems. In particular, I will talk about resource reconfiguration in visual sensor networks, aerial networks composed by unmanned aerial vehicles as well as security and privacy protection

Biosketch

Bernhard Rinner is professor at the Alpen-Adria-Universität Klagenfurt, Austria where he is heading the Pervasive Computing group. He is deputy head of the Institute of Networked and Embedded Systems and served as vice dean of the Faculty of Technical Sciences from 2008-2011. Before joining Klagenfurt he was with Graz University of Technology and held research positions at the Department of Computer Sciences at the University of Texas at Austin in 1995 and 1998/99.

His current research interests include embedded computing, embedded video and computer vision, sensor networks and pervasive computing. Bernhard Rinner has been co-founder and general chair of the ACM/IEEE International Conference on Distributed Smart Cameras and has served as chief editor of a special issue on this topic in The Proceedings of the IEEE. Currently, he is Associate Editor for Ad Hoc Networks Journal and EURASIP Journal on Embedded Systems. Together with partners from four European universities, he has jointly initiated the Erasmus Mundus Joint Doctorate Program on Interactive and Cognitive Environments (ICE). He is chair of the doctoral advisory board of the Faculty of Technical Sciences, an elected member of the Senate of Alpen-Adria-Universität Klagenfurt and member of the board of the Austrian Science Fund.