



Institute of Networked and Embedded Systems

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The **Pervasive Computing Group** works on theoretical and practical aspects of innovative pervasive and ubiquitous computing and employs 1 full professor, 1 administrative staff, 2 senior researchers (PostDocs) and 10 researchers (PhD students).

Research expertise covers smart cameras, sensor networks, sensor fusion and embedded signal processing architectures.

Teaching includes graduate courses and seminars on pervasive computing, sensor networks and digital signal processors as well as undergraduate courses on digital system design.

Founded in 2007, the Pervasive Computing Group is part of the **Institute of Networked and Embedded Systems** and resides in the Lakeside Science & Technology Park.

Pervasive Computing Group

Univ.-Prof. Dr. techn. Bernhard Rinner
<http://pervasive.aau.at>



ALPEN-ADRIA
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FAKULTÄT FÜR TECHNISCHE WISSENSCHAFTEN



Current Research Topics and Projects

- Smart cameras and visual sensor networks
- Collaborative unmanned aerial vehicles
- Engineering proprioception in computing systems
- Resource-awareness in multi-sensor networks
- Security and privacy in sensor networks

Selected Collaborators

- Austrian Institute of Technology
- EADS
- EFKON AG
- ETH Zurich
- Imperial College
- Lakeside Labs GmbH
- TU Graz
- University of Udine

Recent Events

- ACM/IEEE Int. Conference on Distributed Smart Cameras, Vienna 2007
- IEEE Conference on Advanced Video and Signal-based Surveillance, Klagenfurt 2011
- IEEE/ICE Summer School on Networked Embedded Systems, Klagenfurt 2011



Interactive and Cognitive Systems (ICE)

European Doctoral School
<http://www.icephd.org>

The Pervasive Computing Group is part of the European doctoral school ICE, which is offered together with four European universities (Univ. Genoa, UPC Barcelona, TU Eindhoven and QM Univ. London). Funded by the European Commission within the Erasmus-Mundus program, it promotes scientific excellence and mobility. More than 40 PhD students will be attending ICE from 2010 until 2017.



The Pervasive Computing Group enjoys financial support from national and European research agencies including Lakeside Labs, Austrian Research Promotion Agency and the European Commission.