

Heikki Ailisto

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Personal Information

Heikki Ailisto was born in Ii, Finland in 1959. He is married and has four sons.

Languages

English (fluent), Swedish, German (passable).

Education

He received MSc (Electronics Engineering) from University of Oulu, 1984; LicTech, University of Oulu, 1986; Dr.Tech, University of Oulu, 1997.

Research interests

Currently, his research interests include enabling technologies for new user interaction methods, context awareness, and bioidentification.

Work history

Ailisto joined the Computer Vision Group at University of Oulu in 1983, working on real-time robot vision resulting in Diploma thesis, then studying 3D vision on which he made his Licentiate thesis. He conducted graduate studies on computer science, computer engineering and artificial intelligence. Ailisto joined Technical Research Centre of Finland (VTT) in 1986 where he continued with machine vision research specializing in three-dimensional vision. He became Senior Research Scientist in 1992 and the leader (1995-99) of Machine Vision group, responsible of research and development work on image analysis and machine vision. His work on 3D vision resulted in doctoral dissertation in 1997.

Project activities

His recent research projects include: Physical Browsing for Ambient Intelligence (PB-AI), a project for developing novel Human Computer Interaction (HCI) methods for mobile domain. The key idea is to develop technology and methods for physical browsing, which is analogous to browsing in the web, but instead of pointing and choosing web links, physical objects augmented with tags are used as links and a mobile device offers the pointing, UI, processing and communication power. Adamos is a Franco-Finnish research project for defining the important design parameters for proactive services both from a theoretical and experimental point of view. Biometrics and Security (BioSec, www.biosec.org) 2003-2005, was a European project, where VTT led work package WP1 has produced 3D face recognition system, anti-spoofing fingerprint solutions, robust voice recognition methods, new replay resistant iris recognition method, multimodal methods as well as emerging biometric concepts of soft biometrics and accelerometer based gait recognition method for persons carrying mobile devices.

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Publications

Heikki Ailisto has authored and co-authored more than 70 conference and journal papers.

[See listing](#)

VTT.fi > Publications > Search publications: Ailisto, Heikki

Awards and patents

Ailisto holds two patents.

Public and international activities

Heikki Ailisto is a member of IEEE, SPIE and Pattern Recognition Society of Finland. He has acted as a reviewer in many conferences, workshops and in two scientific journals.

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