



We are looking for a

Research Staff member (PhD student)

for an international research project on *Secure and Cooperating Smart Cameras*. The project focuses on the development of security features and privacy protection techniques for smart cameras in monitoring applications. Within the project we explore novel hybrid ARM/FPGA system on chip solutions and the concept of physical unclonable functions as a basis for providing security close to the image sensor. The research is conducted in collaboration with our partner, the Multimedia and Signal Processing Group (MMSPG) at *École Polytechnique Fédérale de Lausanne* (EPFL).

Candidates should have a strong interest in one or more of the following topics:

- **IT security and privacy protection**
- **smart cameras and reconfigurable systems**
- **computer vision and image processing**

Prospective candidates should have skills and interests in areas including embedded systems programming in C or C++; hardware and VLSI design for FPGA-based systems; embedded Linux; computer vision and related toolboxes (e.g., OpenCV, IVT, Gstreamer).

ProSecCo builds on our preliminary research on trustworthy smart cameras. More information about our preliminary work is available at: <http://trusteye.aau.at>

About the Institute

The Institute of Networked and Embedded Systems (NES) has almost 50 staff members and performs cutting edge research in emerging areas including sensor and camera networks, wireless communications and networking, signal processing and autonomous aerial robot systems. NES is hosting the Erasmus-Mundus Doctoral School on "Interactive and Cognitive Environments (ICE)" and is participating in the Lakeside Labs research cluster on "Self-organizing Networked Systems". With more than 40% of researchers from abroad, we offer a truly intercultural environment in beautiful southern Austria. Our business language is English.

For additional information about the institute visit our website: <http://nes.aau.at>

Requirements and Application Information

The compensation for this position complies with the FFG guidelines and Uni-KV B1 (full time contract of 40h/week with a minimum annual gross income of € 36620). The position includes 5 weeks of paid annual vacation. Health and social insurance as well as pension are covered by the employer. A formal requirement for this position is the successful completion of a master program in information technology, computer science or a related field of studies.

Your application should include a letter of interest, curriculum vitae, academic certificates and courses, a list of publications and contact details of two references. Please submit your application as a single PDF file until **April 14th 2014** to: pervasive@aau.at



Contact:

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