



CALL FOR APPLICATIONS

SENIOR RESEARCH FELLOW

to University of Oulu, Department of Communications Engineering (DCE) and Centre for Wireless Communications (CWC) for a fixed-term employment, for a period of five years.

Department of Communications Engineering of the University of Oulu operates at the Faculty of Technology responsible for outstanding research and education. CWC is an independent research program within the Department of Communications Engineering at the University of Oulu. The mission of CWC is to conduct world-class research and transfer technology to practical applications. With strong industry collaboration, CWC has grown to more than 110 staff with an annual budget of approx. 6 M€, 100% of which comes from externally funded projects.

The fundamental research serves as the basis for developing the necessary competences that can be divided into future broadband transmission and radio access network techniques, wireless system planning, communication signal processing algorithms and architectures for wireless networks, sensor networks, channel modeling and measurements, as well as radio frequency technologies. CWC's applied research activities are divided into three major areas. Future broadband wireless solutions include areas such as next generation mobile cellular systems and evolution versions of wireless access. Short range communications solutions are applied, e.g., to home appliances, eWellness, industrial automation and environmental measurements. Research is also conducted on next generation wireless solutions for defense, security, crisis management and public safety. Medical information and communication technology (MICT) and more general bio-medical engineering belong to the core of the university's strategy. CWC has also identified MICT as key focal area for future activities. As the nano-technological processing capabilities are advancing, smaller and smaller scale communication is becoming possible.

Department of Communications Engineering is now looking for a senior research fellow who will concentrate mainly on the communication, sensing and networking challenges of small and nano-scale sensor networks. The position is expected to run a joint research program between DCE, CWC and Microelectronics and Material Physics Laboratories.

THE UNIVERSITY RESEARCH FELLOW will conduct research and is expected to form a new research team concentrating on communication, sensing and networking challenges of small and nano-scale wireless sensor networks. Knowledge of nanoscale processing and electronics is a clear benefit. Doctoral student advising and education are key parts of the tasks.

To succeed in this position, we expect:

- applicable doctoral degree
- some years of postdoctoral research experience and track record of publications
- experience on research advising
- skills of research funding acquisition
- enthusiasm for new challenges
- fluent knowledge of English
- efficient, active and motivated approach to work
- good organisational and team work skills

Additional information: Prof. Markku Juntti (markku.juntti@ee.oulu.fi).

The salary is based on the job profile chart for teaching staff. In addition, the employee will receive the salary component based on personal work performance, maximum 46,3 %. Before filling the position, the applicants will be evaluated by external referees.



FACULTY OF TECHNOLOGY

Applications

Please send your applications (preferably in English), including CV and possible references to the address University of Oulu, Kirjaamo/Office of Registrar, PO.Box 8000, FIN – 90014 Oulu University, Finland, or by email: kirjaamo(at)oulu.fi **by 30th of September, 2011 before 3:00 p.m.**

The applications will not be returned.