The Centre for Wireless Communication, at the University of Oulu (Finland) is looking for a motivated full-time Ph.D. student to conduct cutting-edge research in topics related to heterogeneous and small cell networks. The position is fully funded with a competitive monthly salary (2300€) over a period of three years.

The research work will be carried within the scope of the CELTIC European project “SHARING” (Self-organized Heterogeneous Advanced Radio Networks Generation) starting January, 1st 2013. The project tackles issues pertaining to resource optimization in heterogeneous networks, intra-LTE radio access offloading, intra-RAT radio access offloading, 3G/4G/Wi-Fi integration, self-organizing networks (SON), radio resource management (RRM), resource allocation, energy efficiency, and mobility and load balancing, etc.

The interested candidate should meet the following criteria:

- Knowledge of radio access networks (3G, LTE, LTE-A), particularly on radio network optimization and radio resource management
- Optimization techniques (statistical/stochastic optimization, game theory, reinforcement learning)
- Basic knowledge of probability and stochastic processes
- Ability to pursue independent research.
- Excellent writing and communication skills in English.

For full consideration, applications should be sent by e-mail to Prof. Matti Latva-aho and Dr. Mehdi Bennis at: matti.latva-aho@ee.oulu.fi and mehdi.bennis@ee.oulu.fi including:

- A cover letter indicating the candidate's research interests.
- Detailed curriculum vitae.
- List of publications (if any).
- List of relevant graduate courses taken along with grades.
- Contact of two or three referees.