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 dynamic spectrum access. A competitive monthly salary of 2 300€ will be paid to the selected candidate.

The research work will be carried within the scope of Wireless Innovation between Finland and U.S. (WiFiUS) project titled JamCoSys, starting early 2013. The project will extend the state of the art in spectrum sharing technologies, including cognitive radio (CR), to address the rising demand for high bandwidth wireless service. The project will study problems relating to the use of frequency-agile radios for the design of adaptive spectrum usage protocols, dynamic spectrum access and intelligent wireless off-load strategies.

The interested candidate should meet the following criteria:

- Knowledge of cognitive radio networks and spectrum sharing technologies.
- Strong mathematical background.
- Application of game theory to wireless networks.
- Motivation to publish in reputed conferences and journals
- Good writing and communication skills in English.

For full consideration, applications should be sent by e-mail to Prof. Matti Latva-aho and Dr. Zaheer Khan to matti.latva-aho(at)ee.oulu.fi and zaheer(at)ee.oulu.fi, including:

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

The deadline for applications is 31 January, 2013.