Researcher recruitment

Smart Wireless Laboratory (SWL), a research lab in Singapore of National Institute of Information and Communications Technology (NICT) of Japan, specializes in research and design of next-generational telecommunication system and building standard for intending telecommunication system. Through our strong R&D commitment, we produce top quality products incorporating state-of-art technologies to meet our customers' stringent requirements and world-level research achievements. We are continuously in search of top talents to join our highly motivated team of professionals and we have immediate vacancy for the following positions.

1. Position
Senior Research Scientist

2. Location
Smart Wireless Laboratory of NICT in Singapore Science Park II

3. Responsibilities:
- The candidate will be responsible for developing wireless smart utility network (Wi-SUN) and/or TV white space wireless network (TVWS) systems.
- The candidate will perform optimization designs, advanced research and experiment on PHY, MAC and/or higher layers using advanced simulation techniques and field measurements.
- The candidate is also expected to publish his/her research results in high-level conferences and journals in IEEE and IEICE and/or apply for patents based on his/her design and advanced research.

4. Requirements:
- Have at least three journal papers as the first author in the nearest three years accepted by IEICE or IEEE on the topics of TV white space, cognitive radio, wireless smart utility network, dynamic spectrum utilization and/or broadband wireless access systems
- Have a couple of international conference papers in IEEE major conferences defined by the IEEE societies (Globecom, ICC, WCNC, PIMRC, VTC, DySpan, etc.) as the first author in the nearest three years, regarding TV white space, cognitive radio, wireless smart utility network, dynamic spectrum utilization and/or broadband wireless access systems
- Have experience of management of research or engineering projects (clarify the detail of your secured project such as project name, objectives, budget, period, and so on)
- Hold Ph. D degree in communication engineering / computer science / signal processing.
- Have ability to utilize Matlab or Qualnet for simulation of system performance, general operation of Linux, IP networking and programming in major computer languages.
- Have experience in IEEE 802 standardization (not mandatory)

The successful candidates can expect a competitive remuneration package commensurate with experience and qualifications.

5. Working frequency:
5 days/week

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Contact:
Dr. Fumihide Kojima

Director of Smart Wireless Laboratory,
National Institute of Information and Communications (NICT) of Japan

E-mail: f-kojima@nict.go.jp

How to apply:
Please send an e-mail to Dr. Kojima with your CV.
Deadline of the application is June 30.