

# Seminar on Small Power Wireless Communications

主催:小電力無線通信プロジェクト研究会(通研共同プロジェクト研究)

This is one of the series of seminars on small power / short range wireless communications as part of a collaborative research program on "Small Power Wireless Communications" funded by Research Institute of Electrical Communications(RIEC), Tohoku University. The series of seminars will focus on "Millimeter wave device technologies", "Global standardization & applications", and "Wireless networking & device technologies" for wireless LAN (WLAN), wireless PAN (WPAN), wireless sensors and others for small power wireless communications.

The first seminar of this series will have two distinguished speakers from Australia (visiting professor to RIEC) and an expert from industry on wireless sensor systems and global standardization.

第1回セミナー日時:12月13日(月) 15:00~17:00

場所:東北大学 片平キャンパス通研2号館 W401号室

## -特別講演 1 (15:00-16:00)

**Abbas Jamalipour 氏 (Professor, University of Sydney, Australia)**  
"Current and Future Wireless Communications Networks"



**Abstract:** Wireless communications networks have evolved through multiple technologies over a period of several decades, to a stage that they have become very complicated in the context of resource control and management. In this talk, the state of the art progress in mobile communications networking area will be reviewed and some new techniques that are coming from other fields of the science will be introduced to handle the traffic and resource management challenges in future mobile networks.

## -特別講演 2 (16:00-17:00)

**島田 修作 氏 (横河マニファクチャリング (株) 先行技術企画部マネージャ)**  
"Trends of Reliability Enhancements behind the Global Standardization in Wireless Sensor Network"



**Abstract:** After more than 10 years of R&D, with on going activities of the international standardizations including Smart Grid application, WSN (Wireless Sensor Network) is eventually expected to proliferate in the real world usage scenarios. While it has been the limited challenges of the application fields related to the industrial usages like as a plan instrumentations, achieving an enhanced reliability using WSN is getting to be more generic requirement than ever and is been focused. This talk introduces some technical topics concerning the enhanced reliability and the trends of WSN related Standardizations.

Note: The first will be presented in English (partially in Japanese) and the second will be in Japanese.

-懇親会 (17:10-18:30): 一般参加費; ¥1,000, 学生参加費; フリー

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(Advanced notification of attendance appreciated)