



First Workshop of Software Radio Implementation Forum

Software Radio Implementation Forum (SRIF) aims to bring together researchers working on software-defined radio to share and exchange information. To build the community and to kick-start the forum, we will hold a workshop at the Institute of Network Coding (INC) in The Chinese University of Hong Kong.

DATE & VENUE

12-13 Jan, 2012
TY Wong Lecture Theatre (Talks) / Room 603 (Demos),
Ho Sin Hang Engineering Building, The Chinese University of Hong Kong

REGISTRATION

<http://srif2012.inc.cuhk.edu.hk/>

Free Registration!

INVITED TALKS

Prototyping Large Antenna Array System Using Rice WARP

Dr. Erran LI

The Open Source Community: How GNU Radio Enhances the Science of Communicating

Dr. Tom RONDEAU

Empower Wireless Research with the Magic of Software

Dr. Kun TAN

SWAN: A Wireless Testbed for IMT-Advanced Technologies

Dr. Yang YANG

TECHNICAL TALKS

Software Defined Radio Research at ITR
Real-time LTE-oriented Higher-layer Protocol Research and Implementation over GPP SDR
Reconfigurable FPGAs for Cognitive Radio
Power Allocation for Two Way Transmission with Analogue Network Coding
Designs and Implementation Challenges of Distributed MIMO Systems
Joint Resource Allocation for Max-min Throughput in Cognitive Femtocell Networks
Physical-layer Network Coding
Implementation of Physical-layer Network Coding
PNC Implementation Issues on Software Radio Platform
WiCop: Engineering WiFi Temporal White-Spaces for Safe Operations of Wireless Body Area Networks in Medical Applications
On Role of Multi-armed Bandit Problem in Cognitive Radio Networks
SDR for Wireless Baseband Solutions
Throughput Optimization for Multi-hop Wireless Networks with Asymmetric MIMO Links
Implementation of Cellular Broadband Communication System Prototype on Software Radio Platform

Dr. Ying CHEN
Dr. Xiang CHEN
Dr. Suhaib FAHMY
Prof. Pingyi FAN
Prof. Vincent LAU
Dr. Zhuo LI
Prof. Soung Chang LIEW
Mr. Lu LU
Dr. Qingyang SONG
Dr. Qixin WANG

Prof. Panlong YANG
Dr. Henry YE
Mr. Bo ZHANG
Prof. Yiqing ZHOU

DEMONSTRATIONS

Implementation of Physical-layer Network Coding
Experimenting and Programming on the Sora Software Radio Platform
Online Optimal Channel Sensing, Probing, Accessing in USRP Networks
SWAN: A Wireless Testbed for IMT-Advanced Technologies
WiCop: Engineering WiFi Temporal White-Spaces for Safe Operations of Wireless Body Area Networks in Medical Applications

General Chair
Prof. Soung Chang LIEW

Vice Chairs
Prof. Peter CHONG
Nanyang Tech. University
Dr. Erran LI
Bell Labs
Dr. Kun TAN
Microsoft Research Asia
Prof. Shengli ZHANG
Shenzhen University



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