

# Software Radio Implementation Forum (SRIF) 2015

## 1 Call for Papers

The Software Radio Implementation Forum seeks papers for the SRIF 2015 workshop to be held September 7, 2015 at ACM MobiCom in Paris.

Bringing together researchers and practitioners of software defined radio (SDR), the SRIF seeks to understand the innovative and practical applications of SDR technology, explore the challenges of implementation, and research the gap between our goals and the reality of system deployments. Through this exchange, the workshop aims to facilitate collaborations between academia and industry to address these areas of interest. The workshop is a venue for industrial participants to share their experiences and best practices for commercial deployments of SDR systems and for researchers to share their latest results in new applications and designs.

We invite paper, poster, and demo submissions in all areas related to SDR development and research. Example topics of interest include:

- Hardware and software architectures for software radio
- Virtualization technologies for radio resources
- WLAN, LTE, and 5G networks
- Millimeter wave challenges
- Challenges and opportunities in space
- Prototypes of novel wireless systems using SDR
- State-of-the-art performance of wireless systems using SDR
- PHY and MAC primitives and abstractions
- Programming models for SDR
- New applications for SDR (e.g., security, localization, medical, etc.)
- New insights on wireless theory vs. practice enabled by SDR

## 2 Technical Talks

A full-length paper (max 6 pages, double-column) is required for all technical talks. Submitted papers will be reviewed and published in a workshop proceedings. Depending on the number of submissions, some papers may be allocated to the poster session for presentation purposes. Papers allocated to the poster session will still be published in the workshop proceeding. The proceeding is expected to be indexed by EI and/or ACM, IEEE.

### **3 Poster Presentations and Demonstrations**

Full-length papers (max 6 pages, double-column) are optional. Without a full-length paper, an abstract/summary of no more than one page in length is required. All accepted papers and abstracts will be published in the workshop proceeding.

### **4 Important Dates**

- May 1, 2015: Paper/extended abstract submission deadline
- June 5, 2015: Acceptance notification
- July 31, 2015: Camera-ready due
- August 14, 2015: Program available online

### **5 Contact**

Please contact SRIF 2015 general chair Li Erran Li ([erranli@gmail.com](mailto:erranli@gmail.com)) with any inquiries.