

# IEEE NZ Wireless Workshop 2018

The [IEEE New Zealand Wireless Workshop](#) is a premier annual event that brings together industry professionals, engineers, researchers, academics, students, start-ups and policy makers to discuss technologies and issues of interest to the wireless community in New Zealand. The day consists of a series of presentations from participants, with ample opportunity for informal discussions and networking.

**When: Friday 7<sup>th</sup> September 2018. 9 am - 5 pm**

**Location: Lecture Theatre WZ416, AUT City Campus, Auckland, New Zealand**

As always, we encourage expressions of interest from speakers in the industry, government and academia. Suitable topics for presentation include (but are not limited to): ongoing research; emerging technologies; product and system development; industrial experience and strategy; and spectrum policy. The workshop is intentionally informal, and no written abstracts are required, but these can be distributed to participants if provided.

## **Pre-Workshop Tutorial on Software Defined Radio: FPGA Prototyping with Over-the-Air Signals**

**When: Thursday 6<sup>th</sup> September 2018 (one-day prior to workshop), 1 pm - 4.30 pm**

**Location: National Instruments Auckland, 23/23 Edwin St, Mount Eden**

**Admission: Free (limited seats) register at <https://events.ni.com/profile/form/index.cfm?PKformID=0x252207abcd>**

**Abstract:** In this half-day tutorial, you will gain hands-on experience with National Instruments' integrated hardware and software platform for rapid prototyping of real-time wireless systems using the NI LabVIEW Communications System Design Suite (LabVIEW Communications) and the NI USRP-RIO FPGA-based software defined radio. At the end of the tutorial, you will be able to design, simulate, and prototype a 5 MHz LTE-based real-time OFDM link on a high-performance FPGA, and transmit data over the air using the link that you design on the NI USRP-RIO. Further information from the link above.

**Note:** No prior experience with FPGA or NI hardware or software tools is required, but you should have working knowledge of digital and wireless communications topics such as OFDM.

### **Key Dates**

- **Workshop: Friday 7<sup>th</sup> September 2018**
- **Expression of interest for presenters: By Friday 10<sup>th</sup> August 2018**
- **RSVP for other attendees (free and lunch provided): By Friday 20<sup>th</sup> August 2018**

There is no requirement to be an IEEE member and you are encouraged to bring your colleagues. Donations or sponsorships to help us fund this event are welcomed.

For your expression of interest, RSVP, or any other enquiries, please email to [saeed.rehman@aut.ac.nz](mailto:saeed.rehman@aut.ac.nz)