

SDR Heterogeneous Tools Workshop

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Chair of the Board of Directors, The Wireless Innovation Forum

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Session 1 Agenda: 10:30-12:00

- Introduction
- Matt Ettus, *Ettus Research*
- Erik Luther, *National Instruments*
- Vinay Singh, *Xilinx*
- Housman Zarrinkoub, *Mathworks*

Slide 2

Don't Forget!

- **Session 2: SCA 4.1 – 14:00-15:30**
 - Steve Bernier, *NordiaSoft*
 - James Ezick, *Reservoir Labs*
 - Vincent Kovarik, *PrismTech*
 - Stan Pierson, *Cobham AvComm*
- **Panel Session – 16:00-17:30**
 - Steve Bernier, *NordiaSoft*
 - Matt Ettus, *Ettus Research*
 - James Ezick, *Reservoir Labs*
 - Erik Luther, *National Instruments*
 - Vincent Kovarik, *PrismTech*
 - Vinay Singh, *Xilinx*
 - Stan Pierson, *Cobham AvComm*
 - Houman Zarrinkoub, *Mathworks*

Introduction

- A significant challenge facing the software defined radio industry is the ever increasing **complexity** of software design, development, and debug and its underlying **dependence** upon specific processor technology, i.e. GPP, GPU, DSP, FPGA. In many cases, the waveform or algorithms may be the same but must be implemented differently for specific processor technologies.
- How do we solve the WINNF Innovaton #1, “Techniques for Efficient Porting of Waveform Applications Between Embedded Heterogeneous Platforms”?