WInnForum Announces Online Course on SDR Radio Waveform Development in the GNU Environment

Hands-on Course Taught by Software Defined Radio Solutions, LLC, Teaches Attendees to Develop a GNU Radio waveform using the GNU Radio Companion

WASHINGTON, DC, USA, October 1, 2014 /EINPresswire.com/ -- The Wireless Innovation Forum, a non-profit international industry association dedicated to driving the future of radio communications and systems worldwide, today announced a new course in its Training Series entitled "SDR Radio Waveform Development in the GNU Radio Environment." Taught by Software Defined Radio Solutions, LLC, the course is a comprehensive modular training course providing attendees with both theory and hands-on training. The three-session course will be held Wednesdays, October 15, 22 and 29, 2-4 pm Eastern Time, and will include assignments between sessions. Online sessions will be recorded for viewing outside specified course times.

After taking this course, participants will be able to:
• describe major factors that motivate development and adoption of software defined radio (SDR) and discuss basic SDR concepts,
• describe major SDR applications, enabling technologies, and design tradeoffs,
• develop a GNU Radio flowgraph (waveform) using the GNU Radio Companion (GRC) graphical tool and observe how the GRC flowgraph is implemented in the resulting Python code,
• develop a custom GNU Radio processing block, and
• develop an SDR application that uses the liquid-dsp library.

During the course, students will be using GoToMeeting, which includes screen display, screen sharing, audio, and text chat features. If running the software for the course in a virtual machine on a Windows or Apple computer, all these features will be available once GoToMeeting is installed. Students who prefer to run the software from the Linux bootable image can run GoToMeeting on a separate computer, tablet, or phone. Instructors will provide help on completing course assignments via individual emails, an email list, or an online forum established for participants.

Course fees, presenter information, course agenda and registration form can be found at http://www.wirelessinnovation.org/training-series-waveform-development.

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Stephanie Hamill
Wireless Innovation Forum
970-290-9543
email us here