WInnForum Announces Call for Submissions for SDR-WInnComm SSPARC Workshop and Presentations

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WASHINGTON, DC, USA, November 18, 2013 /EINPresswire.com/ -- The Wireless Innovation Forum, a non-profit international industry association dedicated to driving the future of radio communications and systems worldwide, announced today a Call for Submissions for its Conference on Communications Technologies and Software Defined Radio (SDR-WInnComm 2014) SSPARC Workshop and general conference presentations.

Attracting attendees from all aspects of SDR, CR and DSA, SDR-WInnComm is the ideal place to network and make an impact on the advanced wireless radio community. It will take place 11-13 March 2014 at Motorola in Schaumburg, Illinois.

The Forum is seeking submissions for its Shared Spectrum Access for Radar and Communications (SSPARC) workshop. DARPA has recently launched this program and the workshop will bring together the Wireless Innovation Forum community and current SSPARC participants to exchange ideas and build future collaborations. One of the goals of the workshop is to provide an international forum to exchange concepts, plans and discuss on-going work in this area.

Input may consist of any or all of: a brief paper (optional, no more than four pages), a presentation, or suggestions of topics for panel discussions. The goal is to provide a rich and diverse set of ideas to foster discussion and promote interaction among participants.

Inputs are sought covering results, components, approaches or concepts that have the potential to significantly improve spectrum sharing between radar and communication systems. Topics of interest include, but are not limited to:

• Approaches for avoiding interference including those exploiting the following areas:

- Spatial – Techniques for coordinating operational characteristics that govern the spatial extent over which RF energy is present.
- Temporal – Coordination between multiple systems based on time-oriented factors such as coordinated scheduling, synchronous burst transmissions, and cross-system coordinated frequency hopping.
- Spectral – Pre-planned and ad hoc control of frequencies used, coding, modulation, out of band emissions and other aspects.
- Waveform and Device Design – Fundamental design changes in the waveform and in radar and communications devices that help to minimize or eliminate interference when sharing spectrum.
- Machine-to-machine communications – Cooperative operations will require radar systems and other users to exchange information and plans dynamically. Topics of interest include system architecture, communications mechanisms and protocols, and higher layer design issues such as relevant metadata or ontology structures.
- Databases – Use of databases and other information repositories to maintain a reference source for systems within an area of interoperability coordination.
- International perspectives
- Challenges and opportunities for radar/communications spectrum sharing arising from the geographic, regulatory, economic and technical environments of different countries or regions of the world.
- Descriptions of relevant ongoing or planned projects.

The SSPARC program manager, Dr. John Chapin, will present the program's vision and status at the start of the workshop, followed by presentations and discussion. A similar workshop will be held at IEEE DYSPAN in April 2014; authors should not submit the same input to both workshops.

Submit your presentation proposal here: http://groups.winnforum.org/e/sx/tk/eid=12. If you are not currently active in the Forum's member's only groups collaboration portal, you will need to create a guest account to submit your proposal. If you have any questions during the proposal submission, just email Stephanie Hamill at Stephanie.Hamill@WirelessInnovation.org for assistance.

The Forum is also now accepting proposals for general conference presentations. As the only event devoted to the advancement of radio technologies from research through deployment, this is the premier venue to network with and learn from the leading innovators in the advanced wireless market to gain a functional knowledge of relevant emerging opportunities and technologies. In its 12th year, SDR-WInnComm attracts attendees that include investors, commercial network operators, radio manufacturers, system integrators, government procurement officials, regulators, engineering service providers and consultants from over 22 different countries. New this year, in addition to the main program, poster sessions will be added in 2014 facilitate better networking presenters and Forum members on all SDR, CR and DSA topic areas. For more information on the Conference and applicable presentation topics, visit

http://Conference.WirelessInnovation.org. Authors may register their proposals at http://edas.info/N14793. The deadline is November 29, 2013.

Supported by platinum Sponsors General Dynamics C4 Systems, Indra Sistemas, Objective Interface Systems, Rohde & Schwarz, and Selex ELSAG, the Wireless Innovation Forum (SDR Forum Version 2.0) is a non-profit mutual benefit corporation dedicated to advocating for spectrum innovation, and advancing radio technologies that support essential or critical communications worldwide. Members bring a broad base of experience in Software Defined Radio (SDR), Cognitive Radio(CR) and Dynamic Spectrum Access (DSA) technologies in diverse markets and at all levels of the wireless value chain to address emerging wireless communications requirements. To learn more about The Wireless Innovation Forum, its meetings and membership benefits, visit www.WirelessInnovation.org.

Established in 1996, The Wireless Innovation Forum (SDR Forum Version 2.0) is a non-profit mutual benefit corporation dedicated to driving technology innovation in commercial, civil, and defense communications worldwide. Members bring a broad base of experience in Software Defined Radio (SDR), Cognitive Radio(CR) and Dynamic Spectrum Access (DSA) technologies in diverse markets and at all levels of the wireless value chain to address emerging wireless communications requirements. To learn more about The Wireless Innovation Forum, its meetings and membership benefits, visit www.WirelessInnovation.org.

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