



IEEE Topical Conference on Biomedical Wireless Technologies, Networks & Sensing Systems

15 - 19 JANUARY 2012, SANTA CLARA, CA, USA



2012 IEEE Topical Conference on Biomedical Wireless Technologies, Networks & Sensing Systems

Call For Papers

The 2012 IEEE Topical Conference on Biomedical Wireless Technologies, Networks & Sensing Systems (BioWireless 2012) will be a part of 2012 IEEE Radio and Wireless Week (RWW2012) which will be held the week of January 15, 2012 in Santa Clara, CA. RWW2012 will also feature 2012 IEEE Radio and Wireless Symposium (RWS2012), 12th Topical Meeting on Silicon Monolithic Integrated Circuits in RF Systems (SiRF2012), 2012 IEEE Topical Conference on RF Power Amplifiers for Wireless and Radio Applications (PAWR2012) and 2012 IEEE Topical Conference on Wireless Sensors and Sensor Networks (WiSNet2012). This year, a new demo track will be held to provide an interactive forum for hands-on demonstration of latest wireless experiments and innovations. Interactive demo proposals complimenting a submitted paper is encouraged. Each of these events will be organized separately, with their own call for papers found at <http://www.radiowirelessweek.org/>.

The wireless revolution has begun to infiltrate the medical community with patient health monitoring, telesurgery, mobile wireless biosensor systems, and wireless tracking of patients and assets becoming a reality. The rapid evolution of wireless technologies coupled with powerful advances in adjacent fields such as biosensor design, low power battery operated systems, and diagnosing and reporting for intelligent information management has opened up a plethora of new applications for wireless systems in medicine. BioWireless2012 will be a two day topical conference focused in the latest developments in this area. Papers featuring innovative work are solicited in (but not limited to) the following areas of Biomedical Wireless Technologies, Networks, & Sensing Systems:

- » Miniaturization and integration of wireless technologies and micro sensors for medical applications
- » Personal area networks and body area sensor networks in hospital environments
- » High data rate wireless protocols & processing for biosignals
- » Wireless positioning technologies in medicine
- » Microwave systems for imaging, diagnostics & therapeutics
- » New advances in understanding microwave interaction with biological tissues
- » Biomedical devices for remote monitoring
- » Microwave systems for biological applications
- » Coexistence and modeling of wireless technologies in clinical environments
- » Health monitoring, energy scavenging and biosensor E-textiles



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Paper submission instructions will be found at <http://www.radiowirelessweek.org/>. Submissions should be properly formatted with all figures included within a **maximum of four pages**. Only electronic submissions in pdf format will be accepted for review. Authors should indicate their preference for oral or poster presentation. All submissions must be received by July 8, 2011.

All accepted papers will be published in a digest and be included in IEEE Xplore.

Submissions are evaluated based on novelty, significance of the work, technical content, interest to the audience, and presentation.