

International Journal of

Ultra Wideband Communications and Systems

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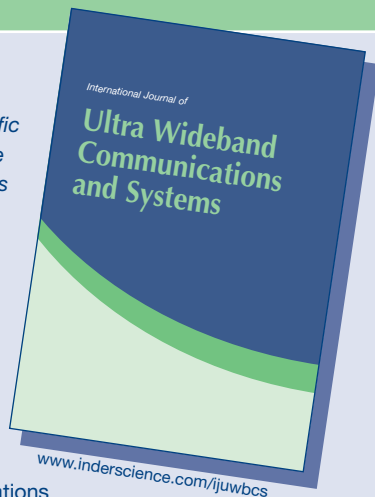
Scope of the Journal

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IJUWBCS is a scholarly, refereed and peer-reviewed scientific journal devoted to disseminating technical information in the areas of ultra wideband (UWB) communications and systems across the globe.

Contents:

IJUWBCS publishes original advances in theoretical, experimental and simulation research works, technical reports, case studies, invited articles, review articles, book reviews, tutorials and notes in the area of UWB communications and systems. Special Issues devoted to important topics in UWB communications and systems will occasionally be published. Papers in communications, networks and signal processing related to UWB communications and systems are also covered.



Topics covered include:

- Channel modelling and measurements
- Coding, modulation and detection
- Co-existence and interference mitigation
- Multiple access interference and capacity
- Pulse generation and shaping
- Radio access protocols, architectures, networks, ranging
- Localisation and positioning
- Synchronisation and time reversal
- UWB antennas and arrays, beamforming, MIMO, UWB-MAS
- UWB sensing, medical imaging, vehicular radar, transceivers
- Wireless personal/body area networks
- UWB hardware design and implementation
- UWB simulation and experimenting
- UWB radar designs
- UWB networking and connection

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