

EURASIP Journal on Advances in Signal Processing

Special Issue on Emerging Radar Techniques



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Originating in the early years of the 20th Century, radar was seen as a method by which to improve military intelligence and defence strategies. Today radar is a pervasive technology applied in fields as diverse as: meteorology; archaeology; medical imaging; space based imaging of the Earth and other planets; automotive safety; mining; law enforcement; civil aviation and maritime surveillance; and many others. Furthermore, the traditional military role remains, but is now expanded to include new applications such as urban sensing and unmanned aerial vehicle based systems. It might well be considered that even after a century of research, radar is a field that refuses to mature.

This is a call for papers on emerging radar techniques for a special issue in the EURASIP Journal on Advances in Signal Processing. Articles are invited which explore contemporary radar applications being addressed using the latest advances in radar signal processing and emerging radar techniques. Contributions are sought that address but are not limited to:

- Compressive sampling/sensing
- MIMO-OFDM radars
- Bistatic and multistatic radars
- Biologically inspired radar signal processing
- Cognitive and intelligent radars
- Urban Sensing
- Space Time Adaptive Processing
- Future research directions

Submission Schedule

- **Manuscript Due:**
June 30, 2012
- **First Round of Reviews:**
October 30, 2012
- **Publication Date:**
Mid 2013

Submission Instructions:

Before submission authors should carefully read over the Instructions for Authors, which are located at asp.eurasipjournals.com/authors/instructions. Prospective authors should submit an electronic copy of their complete manuscript through the SpringerOpen submission system at asp.eurasipjournals.com/manuscript according to the submission schedule. They should choose the correct Special Issue in the 'sections' box upon submitting. In addition, they should specify the manuscript as a submission to the "Special Issue on Emerging Radar Techniques" in the cover letter. All submissions will undergo initial screening by the Guest Editors for fit to the theme of the Special Issue and prospects for successfully negotiating the review process. Prospective authors are strongly encouraged to contact the three co-guest Editors who will be compiling the issue.

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