



# 2010 IEEE National Aerospace and Electronics Conference NAECON

July 14-16, 2010

Conference Site: FAIRBORN CONFERENCE CENTER (Holiday Inn, 2800 Presidential Dr., Fairborn, OH 45324)  
Registration Cost: IEEE Student: \$135, IEEE Professional: \$300-Includes two keynote luncheons, tutorials and Banquet  
Sponsored by the IEEE Aerospace and Electronics Society and the IEEE Dayton Section. Supported by College of Engineering at Wright State University, University of Cincinnati, The Ohio State University, University of Dayton, Oakland University, Case Western University, Miami University and Air Force Institute of Technology

NAECON (National Aerospace and Electronics Conference) is the oldest and premier IEEE Conference presenting aerospace research in all aspects of theory, design, and applications of systems and sensors. The conference started in Dayton, Ohio over sixty years ago in 1948.

## FIRST CALL FOR PAPERS

NAECON 2010's theme is "Intelligent Aerospace Systems & Biomedical Sensors". In pursuit of that theme, the organizers are currently seeking papers for the following technical tracks:

TRACK #	DESCRIPTION
I.	Collaborative & Cognitive Processing : Bill McQuay, Air Force Research Laboratory
II.	Novel Devices : Jason Heikenfeld, University of Cincinnati
III.	Radar Signal & Image Processing: Julie Jackson, Air Force Institute of Technology & Olga Mendoza-Schrock, Air Force Research Laboratory
IV.	Compressive Sensing : Yuan Zheng, The Ohio State University
V.	Computational Modeling : Paul Sotirelis, Air Force Research Lab
VI.	Smart Antennas : Ronald Brower, Air Force Research Laboratory
VII.	Biomedical Sensing : Nikolaos Bourbakis, Wright State University
VIII.	Adaptive RF and Space Based Communications : Charles Cerny, Air Force Research Laboratory
IX.	Reconfigurable Computing : Kerry Hill & Al Scarpelli, Air Force Research Laboratory
X.	Aerodynamic Control Systems, Power & Smart Materials : Rob Ewing, Air Force Research Laboratory
XI.	Bio-Inspired UAVs : Maj Leamon Viveros, Air Force Research Laboratory
XII.	Grand Challenge Competitive Problem "Smart Vest for Detector Dogs" : Joanne Degroat, The Ohio State University & Erik Blasch, Air Force Research Laboratory

## SUBMISSION PROCEDURES

Prospective authors are invited to submit about 50-word abstract and a 1000-word summary of their paper for consideration as lecture or poster presentation. Both lecture and poster submissions have the same value and presentation format is only chosen for suitability. Submission is in electronic form via the website. Acceptable format is: PDF, (IEEE Xplore compatible PDF). Accepted papers will be published in the conference proceedings subject to advance registration of at least one of the authors. Paper should identify the Technical Track and include information about the contact author (name, mailing address, phone, Fax, and email). Authors should obtain company and government clearances prior to submission of papers, IEEE release forms are required with the final camera-ready paper. All papers will be reviewed via the Program Committee. They will be judged with respect to their quality, originality, and relevance. Accepted papers will be published in the conference proceedings, conditional upon the author's advance registration. Nominations will be solicited for the D.W. Repperger Best Paper Award, and selection and conferring of the best student paper award, and other newly established awards will be celebrated.

Deadline for Tutorial/Panel/Industrial Exhibits, as well as Special Session proposals is March 20, 2010. For further updated information, please check the NAECON web page [www.naecon.org](http://www.naecon.org)

**Important Deadlines:** Submission of Abstracts/Drafts - May 14, 2010;

Notification of Acceptance - May 28, 2010; Final Camera-ready paper - June 19, 2010

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