



CALL for PAPERS - NAECON 2017 June 27-30, 2017 in Dayton, Ohio

Abstracts Due: April 23, 2017 (Extended and Final)

Full Paper Due: July 15, 2017

Submission Details: www.naecon.org

The 2017 IEEE National Aerospace Electronics Conference (NAECON) will be held at the Holiday Inn Dayton/Fairborn I-675 2800 Presidential Dr, Fairborn, Ohio 45324 USA



NAECON (National Aerospace and Electronics Conference) is the oldest and premier IEEE Conference presenting research in all aspects of theory, design, and applications of aerospace systems and sensors.

Sponsored by: University of Dayton and IEEE Dayton Section

Supported by: Air Force Institute of Technology, Wright State University, The Ohio State University, Oakland University, IEEE Circuits & Systems Society (CAS), and IEEE Aerospace & Electronics Systems Society (AESS)

AES Focused Sessions:

- **Aerospace Power Systems and Power Electronics** (Chairs: Dr. Jinhui Zhang, GE EPIS Center, Dr. Zhenhua Jiang, University of Dayton)
- **Photonics Devices and Systems** (Chairs: Professor Jia Li, Oakland University, Dr. Paul McManamon, University of Dayton, Dr. Nicholas Limberopoulos, Air Force Research Laboratory)
- **Radar, Tomography and RF sensing** (Chairs: Dr. Brian Rigling, Wright State University, and Dr. Mike Wicks, University of Dayton)
- **Electronic Warfare** (Chairs: Dr. Andrew Bogle and Dr. Bob Penno, University of Dayton)
- **Guidance and Control** (Chairs: Dr. Raul Ordonez, University of Dayton and Dr. Trevor Bihl, Air Force Research Laboratory)
- **Terahertz and Millimeter Wave Devices** (Chairs: Dr. Elliott Brown, Wright State University and Dr. Kubilay Sertel, The Ohio State University)

NAECON Early Full Registration (Before 9 June 2017)- Cost includes CD Proceedings (mailed after the conference), Tutorials, gift items, banquet, continental breakfasts and lunches - IEEE Member \$275, IEEE Student \$175 - Non-IEEE Member \$400, Non-IEEE Student \$275, (also one-day registration is available for non-authors)



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- **Algorithms for Tracking in Wide Area Surveillance** (Chairs: Dr. Dr. Vijayan Asari, University of Dayton, and Dr. Theus Aspirus, University of Dayton)
- **Cybersecurity** (Chairs: Dr. Tem Kebede, University of Dayton, and Dr. David Kapp, Air Force Research Laboratory)
- **Collaborative and Distributive Processing** (Chair: William McQuay, The Design Knowledge Company)
- **Compression Sensing** (Chair: Dr. Yuan Zheng, The Ohio State University)

CAS Focused Sessions:

- **Trusted Systems and Electronics** (Chairs: Dr. Charles Cerny, Air Force Research Laboratory, Dr. Matt Casto, Air Force Research Laboratory)
- **Low SWaP Sensor Processing** (Chairs: Dr. Kerry Hill, Air Force Research Laboratory and Dr. Al Scarpelli, Air Force Research Laboratory)
- **Emerging Electronics and Microsystems** (Chairs: Dr. Soumyajit Mandal, Case Western Reserve University, and Dr. Vamsy Chodavarapu, University of Dayton)
- **Digital Signal and Image Processing** (Chairs: Dr. Eric Balster, and Dr. Russ Hardie, University of Dayton)
- **Deep Learning and Artificial Intelligence** (Chairs: Tarek Taha, University of Dayton, and Nilesh Powar, University of Dayton Research Institute)

OIS Focused Session:

- **Next Generation Manufacturing** (Chairs: Dr. Gary Scalzi, Air Force Research Laboratory, Phil Ratterman, UDRI, John French, Ohio Aerospace Institute)

SUBMISSION PROCEDURES

Prospective authors are invited to submit a 50-word abstract and a 1000-word summary of their paper for consideration for oral 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 listed authors, and presentation of the papers. Papers should identify the "Subject Area" and include information about the contact author (name, mailing address, phone, and email). Authors should obtain company and government clearances prior to submission of papers. IEEE copy right release forms are required with the final camera-ready paper. All papers will be reviewed by the Program Committee. They will be judged with respect to their quality, originality, and relevance. Nominations will be solicited for the D.W. Repperger Best Paper Award (POC: Dr. Ron Brower). The best student paper will be selected, and a Best Student Paper Award conferred. Several poster awards will also be announced on the last day of the conference.

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