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The 2026 Power Amplifiers for Radio and Wireless Applications Conference

Gregor Lasser and Anna Piacibello

The 2026 Power Amplifiers for Radio and Wireless Applications (PAWR) conference will be held in Los Angeles, CA, USA in January 2026. Join us for an exciting conference with the opportunity to mingle with experts from industry and academia and to learn about recent advances in power amplifier (PA) devices, modeling, linearization, and circuit design!

PA designers are constantly challenged to improve on output power, energy efficiency, linearity, bandwidth, and operating frequency. Applications in telecommunications, radar, remote sensing, and medical applications require PAs in the milliwatt to megawatt range, which increased focus on miniaturization, cost reduction, and resilience to external factors, such as load impedance.



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The PAWR 2026 topical conference, embedded within Radio and Wireless Week, is the place to share the latest advances and breakthroughs in power amplifier technologies and circuit concepts. It serves as a platform for researchers from academia and industry to openly exchange ideas (Figure 1). The conference will feature papers on active devices, modeling and characterization, advanced circuit design, novel architectures and topologies, integration and packaging technology, system analysis, as well as linearization and efficiency enhancement techniques.

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Gregor Lasser (gregor.lasser@chalmers.se) is with Chalmers University of Technology, 412 96 Göteborg, Sweden. Anna Piacibello (anna.piacibello@polito.it) is with, Politecnico di Torino, 10129 Turin, Italy.

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this year again, registration to conference will be free for students presenting a paper or a poster. Also note that a Best Student Paper Competition is also held during the conference to honor outstanding student presentations. Students who have been awarded a Roger Pollard Student Fellowship also present their final research outcomes at the conference. An awards luncheon will be held on Tuesday, during which the best papers and exhibitors from the ARFTG-105th conference will be honored (Figure 4).

Dr. Angela Stelson of NIST will be the ARFTG representative for Women in Microwaves and Young Professionals coordinating related activities with RWW.

During the week, there are two ARFTG-sponsored users forums, one focusing on NVNA organized by Prof. Patrick Roblin of The Ohio State University and the other covering on-wafer measurements organized by Dr. Gia Ngoc Phung of Physikalisch-Technische Bundesanstalt. These free events are designed to be more like open discussions on selected subtopics. They provide the platform to exchange know-how and experience, to coordinate activities in new areas of research, and to facilitate the application of already existing methods across the microwave measurements engineering community.

Need to Know More?

The ARFTG website (www.arftg.org) has all you need to know about these upcoming events. The key contacts within the ARFTG organizing group are as follows:

- For submission of your paper abstract, please visit www.arftg.org.
- For sponsorship information, contact sponsorship@arftg.org.
- For exhibit information, contact exhibits@arftg.org.
- For technical program matters contact Apolinar Reynoso Hernandez and Mauro Marchetti at tpc@arftg.org.
- For information about the NVNA and on-wafer users' forums, contact forums@arftg.org or visit www.arftg.org.
- For general conference matters, contact the conference chairs, Chong Li and Patrick Roblin at chairs@arftg.org.
- Follow the ARFTG on Twitter (https://twitter.com/arftgconference) and join the ARFTG LinkedIn Group (https://www.linkedin.com/groups/150585/).

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Figure 1. *Attendees at PAWR 2025 in San Juan, PR USA.*

Besides the information-packed regular technical sessions, we are excited to present a workshop on "PA Design for Linearity" that will incorporate academic experts and a step-by-step demonstration from leading CAD software vendors. In a panel discussion titled "The Doherty—End of PA History?" we will witness an inspiring discussion by international experts representing leading telecommunication and defense companies. Attendees will be able to gain fresh insights from our panelists and might continue their own discussions in one of the social gatherings provided.

We are thrilled to welcome you all to Los Angeles for this exceptional event.