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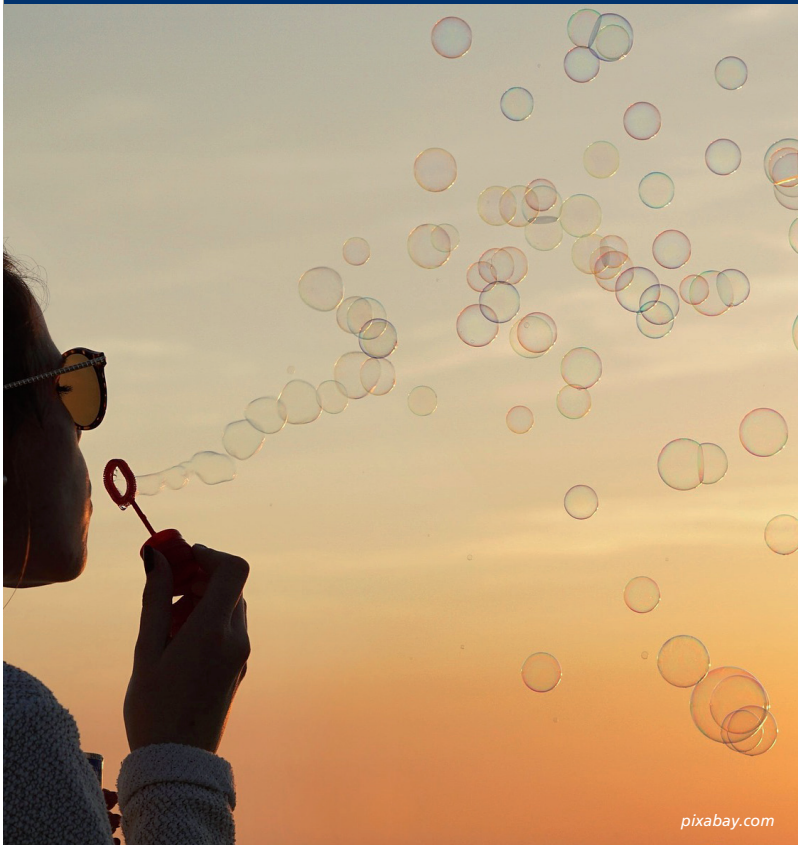
FRAUNHOFER INSTITUTE FOR
ELECTRONIC NANO SYSTEMS ENAS

MAY 23, 2019 | FRAUNHOFER FORUM BERLIN

WORKSHOP

AIR PULSES WITHOUT PRESSURIZED AIR

CONCEPTS – TECHNOLOGIES – APPLICATIONS



Presentations
Besides invited talks from well-recognized experts from academia and industry, the workshop is open for 5-minute pitch presentations. Please submit title, author(s) and a brief outline of your presentation not later than February 28, 2019 by email to mathias.lipowski@enas.fraunhofer.de.

Fee and Registration
The registration fee is 150 Euro and covers workshop participation as well the Get-Together networking event.
Online registration starts February 1, 2019.
Please use the link:
www.enas.fraunhofer.de/workshop-airpulses

Date and Location
Thu, May 23, 2019, 11:30 am
Fraunhofer Forum Berlin
Anna-Louisa-Karsch-Straße 2, 10178 Berlin

Contact
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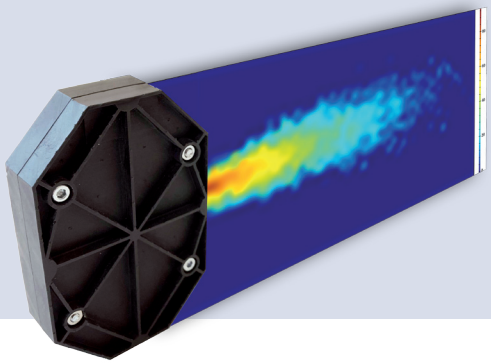
Organizer
VDE Verband der Elektrotechnik Elektronik Informationstechnik e.V.
Fraunhofer Institute for Electronic Nano Systems ENAS
www.enas.fraunhofer.de

AGENDA

THURSDAY
MAY 23, 2019



Point of use **air pulse** generation to avoid centralized compressed dry air (CDA) distribution systems marks a new era in smart air control. Experts from science and industry stakeholders will discuss state of the art as well as future needs and trends.

Don't miss this opportunity to discuss and learn about:

- Device Concepts
- Design, Modeling and Simulation
- Technologies and Integration
- Measurement and Characterization
- Applications

Smart air and flow control using miniaturized and de-centralized devices is on the Fraunhofer ENAS' R&D agenda for some years. Various actuators, such as **Synthetic and Pulsed Jet Actuators** as well as actuator arrays have been established. Their integration in industrial applications, lightweight aircraft structures, and other applications has been successfully demonstrated with partners from industry. This workshop will work out the current status and the future potential of these devices. Special emphasis will be given to new and future applications. And not at least – an excellent opportunity to create or enhance your networks in this field.

Tentative Program

11:30 am – 1:00 pm	**Registration** Welcome coffee and snacks
1:00 – 2:30 pm	**Session 1** Device concepts, design, fabrication, integration
2:30 – 3:00 pm	**Networking break**
3:00 – 4:30 pm	**Session 2** Modeling, simulation, characterization, measurement
4:30 – 5:00 pm	**Networking break**
5:00 – 7:00 pm	**Session 3** Applications
7:00 pm	**Get together with food and drinks**