

# PRESS RELEASE

PRESS RELEASE

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## Best Paper Award winner of Smart Systems Integration Conference SSI2021 selected

**Dr. Bruno Fain from CEA-leti was honored with the Best Paper Award of Smart Systems Integration Conference SSI2021.**

Since the establishment of the conference in 2007, it is a tradition to select and award the best poster as well as the best paper at the Smart Systems Integration Conference. Both awardees receive a donation of 500 euros that are sponsored by EPoSS – the European Platform on Smart Systems Integration and the Fraunhofer Institute for Electronic Nano Systems ENAS.

All attendees of the conference vote for the best poster of the conference. The selected winner is announced at the end of the conference during closing remarks. The committee also nominates the best paper candidates and the winner is selected out of seven to ten candidates based on the presentation as well as the written paper.

The best poster award winner at the SSI2021 is Claudia Bruno from STMicroelectronics with her poster titled “Embedded artificial intelligence approach for gas recognition in smart agriculture application using low cost MOX gas sensors”, as previously published in the after conference press release.

The best paper award winner of the first fully virtual edition of the Smart Systems Integration Conference & Exhibition from April 27 to 29, 2021 is Dr. Bruno Fain from CEA-LETI with his paper “Beamforming with AlN-based bimorph piezoelectric micromachined ultrasonic transducers”. In his paper, he presented a piezoelectric micromechanical ultrasonic transducer (pMUT) with multiple membranes used for airborne pulse-echo measurements with an angular resolution of 18 degrees.

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### Editors

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### Person in charge – Conference chair

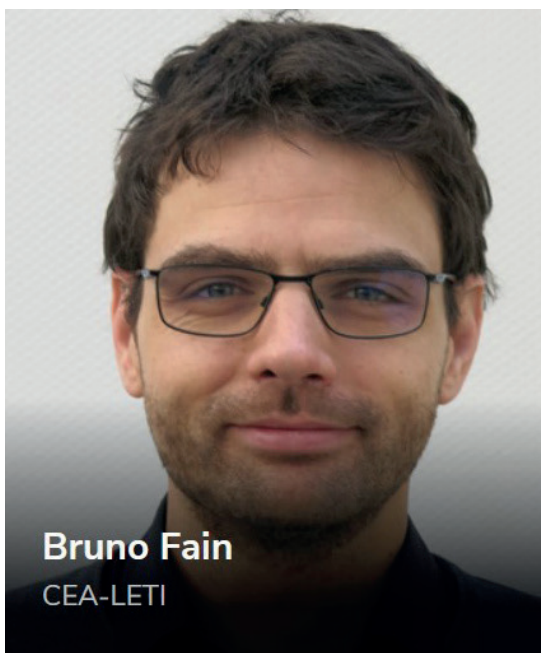
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**FRAUNHOFER INSTITUTE FOR ELECTRONIC NANO SYSTEMS ENAS**

Both awards will be presented to the winners at the Smart Systems Integration Conference & Exhibition 2022, which will take place in Grenoble, France, from April 26 to 28, 2022.

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**Dr. Bruno Fain from CEA-leti is winner of the Best Paper Award of SSI2021.**

**Photo © CEA-leti**

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The **Fraunhofer Institute for Electronic Nano Systems ENAS** is the specialist and development partner in the field of Smart Systems and their integration for various applications. Fraunhofer ENAS has specialized on the challenge of combining micro and nano sensors, actuators and electronic components with interfaces for communication and a self-sufficient energy supply to form smart systems, thus supporting the Internet of Things and the ongoing digitalization. The institute develops single components, manufacturing technologies and system concepts, system integration technologies and actively supports the technology transfer for and with its customers. It offers innovation consulting and supports customer projects, starting from the idea, via design and technology development or realization based on established technologies up to tested prototypes.

The **Fraunhofer-Gesellschaft**, headquartered in Germany, is the world's leading applied research organization. With its focus on developing key technologies that are vital for the future and enabling the commercial exploitation of this work by business and industry, Fraunhofer plays a central role in the innovation process. Based in Germany, Fraunhofer is an innovator and catalyst for groundbreaking developments and a model of scientific excellence. By generating inspirational ideas and spearheading sustainable scientific and technological solutions, Fraunhofer provides science and industry with a vital base and helps shape society now and in the future. Founded in 1949, the Fraunhofer-Gesellschaft currently operates 75 institutes and research institutions. The majority of our 29,000 staff are qualified scientists and engineers who work with an annual research budget of 2.8 billion euros. Of this sum, 2.4 billion euros are generated through contract research.