PET Electronics & Technologies 2023

Workshop on Electronics and Advances for Future High-Performance PET Systems

September 12th – 13th 2023
at Fraunhofer-inHaus-Zentrum in Duisburg, Germany

SAVE THE DATE

Main topics

- Requirements from PET applications, systems & gamma detectors
- Photo detectors
- Read-out electronics

- 3D integration
- ASICs & digital signal processing
- Algorithms & AI for data analysis

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JÜLICH Forschungszentrum

PET Electronics & Technologies - 2023

The first workshop on PET Electronics & Technologies is going to take place on September 12th – 13th 2023 at Fraunhofer-inHaus-Zentrum in Duisburg, Germany.

We are happy to announce our first workshop on PET Electronics & Technologies, a forum for international research and academia to meet and exchange the latest developments in this field.

Main topics

- Requirements from PET applications, systems & gamma detectors
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Aim & Scope

The objective of this workshop is to define the future demands on PET electronics and data analysis and to discuss these demands with the experts on electronics, chip development, and data scientists.

In the first part of the workshop, experts in the field of PET applications, PET systems & gamma detector developers will give an overview on these demands from their point of view.

The focus of the workshop will then concentrate on the electronics part. Experts on the different levels of electronics developments (photo detectors, read-out electronics, 3D integration, ASICs & digital signal processing) and data science (algorithms & AI for data analysis) are invited to present current results and give an outlook on future demands and planned developments.

Three podium discussions are intended to discuss the commons and differences of the presented demands and approaches. At the end of the workshop, a list of design criteria for PET electronics and data analysis (general components vs. specific components for different kinds of PET systems) will be defined based on the discussed requirements.

We are looking forward to welcome you!

The workshop is co-organized by Fraunhofer IMS and Forschungszentrum Jülich GmbH.
In case you are interested and like to get further information please e-mail to the workshop office.

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