

International Conference on the Advancement of Silicon Photomultipliers

11.6.2018 - 15.6.2018 Schwetzingen, Germany

Abstracts for talks and posters can be submitted until May 1 and will be reviewed as soon as they are received.

Further information about the conference, abstract submission, and registration can be found on icasipm.org.

The effort to standardize SiPM characterization has become imminent due to the rapid improvement of SiPMs in recent years and its equally rapid growing user community. Only by standardizing measurement procedures will it be possible to compare devices from different producers and results obtained by different users in a meaningful way, thus considerably accelerating development cycles of SiPM applications.

We invite everyone who is interested in the standardization effort to participate in one or more topical issues before the meeting takes place.

- Photon Detection Efficiency
- Time resolution, single photon and large signal timing
- Nuisance parameters, correlated and uncorrelated noise
- Electrical properties and pre-amplification
- Non-linearity and saturation
- Resilience to ionizing radiation, radiation hardness
- Large scale characterization, calibration and reliability
- Exotica and future directions
- Cryogenic applications

For each topic a working group is tasked to prepare the scientific program. Conveners can be found at http://icasipm.org/topical_groups.

Yuri Musienko, Notre Dame, USA & INR RAS, Russia

Alexander Olshevskiy, JINR, Russia

Herbert Orth, GSI, Germany

Nepomuk Otte (Chair), Georgia Tech, USA

Claudio Piemonte, Broadcom, Germany

Elena Popova, MEPHI, Russia

Fabrice Retiere, TRIUMF, Canada

Ziraddin Sadygov, JINR, Russia, Azerbaijan

Matthias Schmand, Siemens Healthineers, USA

Sergey Vinogradov, LPI & MEPHI, Russia

Invitation to the International Conference on the Advancement of Silicon Photomultipliers

Dear Colleagues,

We invite you to participate in ICASiPM 2018 (icasipm.org), a conference that brings experts from around the world together to discuss the latest developments in SiPMs and, most importantly, the characterization and advancement of SiPM technology. The standardization of SiPM characterization and the publication of a characterization manual is a main driver of this meeting. We welcome contributions that discuss other SiPM-related topics including the so-called digital SiPM as well as the non-silicon SiPM. All contributions will be published after peer review.

The meeting takes place in Schwetzingen, Germany from 11.6.2018 - 15.6.2018.

Looking forward to seeing you in Schwetzingen,

The ICASIPM Organizers

Patrick Achenbach, Univ. Mainz, Germany

Nicolay Anfimov, JINR, Russia

Eugen Engelmann, KETEK, Germany

Ardavan Ghassemi, Hamamatsu, USA

Alberto Gola, FBK, Italy

Carl Jackson, SensL, Irelandy

Robert Klanner, DESY, Germany

Yuri Kudenko, INR, Russia

Razmik Mirzoyan, MPI for Physics, Germany