

HSTD11 & SOIPIX2017



OIST, OKINAWA

11th International “Hiroshima” Symposium on the Development and Application of Semiconductor Tracking Detectors (HSTD11) in conjunction with 2nd Workshop on SOI Pixel Detector (SOIPIX2017)

Dec. 11 (Mon) - Dec. 15 (Fri), 2017

**Okinawa Institute of Science and Technology Graduate University (OIST),
Okinawa, Japan**

Announcement

This year's "Hiroshima" Symposium (HSTD) is co-organized with the Workshop on SOI Pixel Detector (SOIPIX), to benefit from shared human and research resources. The venue is the island of Okinawa, and will be held at the Auditorium of the Okinawa Institute of Science and Technology Graduate University (OIST), with strong support from the institute.

True to tradition, the primary goal of the "Hiroshima" Symposium is to bring experts in design, processing, and applications of semiconductor tracking detectors together for discussions of experiences, lessons learned, and new ideas which are still in the early stage of development. With the discovery of the Higgs particle, the high energy physics community is inspired to continue the search for new physics, with new accelerators and detectors. Application of semiconductor technology is expanding not only in particle physics but also in material sciences, astrophysics, medicine, etc.

SOIPIX is an innovative radiation and imaging detector using a new semiconductor technology, Silicon-On-Insulator (SOI) multi-layer wafer. The SOI technology enables us to realize a 3D sensor where sensor layer and readout electronics layer are bonded in a truly monolithic way, which will open up new frontiers of particle and nuclear physics, astrophysics, material and life science with quantum beam imaging.

One of the goals of the symposia is to publish the results presented at the conference to the same standard as in traditional refereed papers to become references of the fields. The past venues and the publications are listed in below. This year's publication will include the HSTD and the SOIPIX.

Like in the past, the program will consist of plenary talks and posters. Invited speakers will introduce the latest topics. The material presented in posters will be available for discussion during coffee/tea breaks throughout the conference.

On behalf of the Organizing Committee, we would like ask you to contribute to HSTD11 & SOIPIX2017 in three ways: suggest topics, presentations and speakers (including yourself); inform your colleagues of the date and venue of the conference; and most importantly, plan to attend and let us know soon. For inquiries, please e-mail us at hstd@ml.post.kek.jp or directly to the organizers.

Yasuo Arai, KEK
Yasushi Fukazawa, Hiroshima University
Suen Hou, Academia Sinica, Taipei
Xinchou Lou, IHEP, Beijing
Hartmut Sadrozinski, UC Santa Cruz
Hirotaka Sugawara, OIST
Yoshinobu Unno, KEK, Chair of the organizers

Previous venues and publications:

"Hiroshima" symposia:

- 10th, Xi'an, 2015 (Nucl. Instr. Meth. A831, 1-448, 2016)
- 9th, Hiroshima, 2013 (Nucl. Instr. Meth. A765, 1-296, 2014)
- 8th, Taipei, 2011 (Nucl. Instr. Meth. A699, 1-250, 2013)
- 7th, Hiroshima, 2009 (Nucl. Instr. Meth. A636, S1-S256, 2011)
- 6th, Carmel, 2006 (Nucl. Instr. Meth. A579, 557-914, 2007)
- 5th, Hiroshima, 2004 (Nucl. Instr. Meth. A541, 1-466, 2005)
- 4th, Hiroshima, 2000 (Nucl. Instr. Meth. A466, 243-428, 2003)
- 3rd, Melbourne, 1997
- 2nd, Hiroshima, 1995 (Nucl. Instr. Meth. A383, 1-266, 1996)
- 1st, Hiroshima, 1993 (Nucl. Instr. Meth. A342, 1-308, 1994)

SOIPIX Workshop:

- 1st, Sendai, 2015 (SLAC eConf C150603)

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