

Workshop on Detector Technologies for High-Energy Physics

The workshop is directed to those, who want to get familiar with emerging technologies and devices for radiation and particle detectors, as well as sensors with extremely high radiation hardness. The program includes presentation from distinguished researchers such as Dr. H. Pernegger (CERN), Dr. T. Fritsch (IZM), Prof. N. Yoshikawa (YNU), Dr. H. Terai (NICT). The workshop contributions will cover defect engineering aspects and analysing methods, design aspects, module concepts, hybrid assembly. Special focus will be on technologies for development and manufacturing of hybrid detector modules addressing upcoming high-energy physics instrumentation such as the upgrade of the Large-Hadron-Collider at CERN.

Organization

**CiS e.V. together with
CiS Research Institute
for Microsensor Systems GmbH
Business Unit Silicon Detectors
Ralf Roeder and Thomas Ortlepp**

Registration

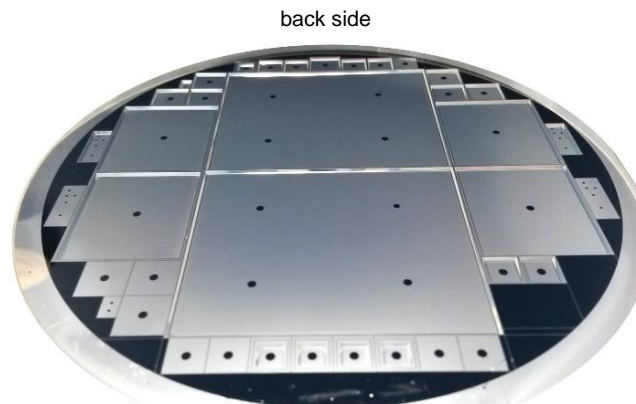
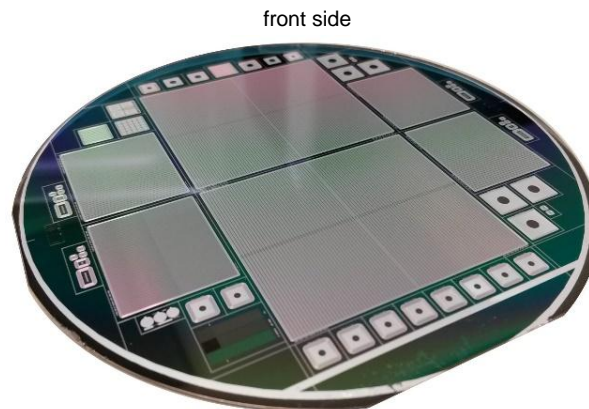
Registration via email is preferred and encouraged. Please register before November 7th 2016. The registration fee will be **180 Euros including VAT**. All correspondence concerning the workshop should be addressed to:

Workshop office

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Konrad-Zuse-Str. 14
99099 Erfurt, Germany
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Fax: +49 361 663 1413
E-Mail: uneuhaus@cismst.de
www.cismst.de**

Schedule

The aim of the workshop is to present on-going research and development in the field of detector concepts, chip technologies and modules. We discuss the recent developments and future activities in the emerging field of detectors, detector physics with particular emphasis on high-energy physics. The goal is to bring the different players into a relationship that will ensure best and efficient solutions in future particle detector systems.



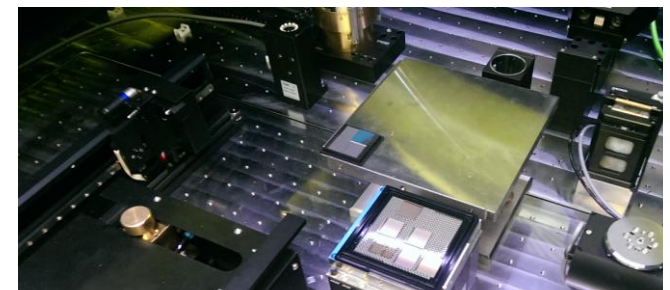
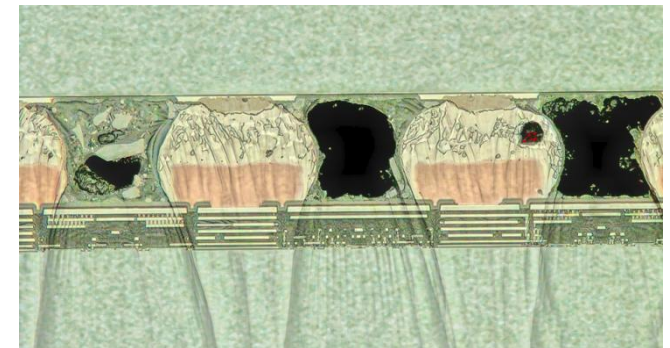
General agenda for the three days' workshop:

Nov 27th (Sun), 5pm: Social event (guided city tour) and welcome reception.

Nov 28th (Mon), full day: Invited overview talks by distinguished experts in the field of material physics, detector physics and technology, readout circuits and module assembly. This first part is devoted to knowledge distribution mainly addressing scientists and engineers in this field as well as PhD students.

Christmas market and social dinner.

Nov 29th (Tue), until 3pm: Oral presentations related to several technical issues and scientific aspects in practical detector system integration, especially assembly of hybrid detector and readout modules. Brainstorming on innovative technical solutions for detection, front-end circuits and packaging concepts.



Please transfer the registration fee of 180 Euros to the following account:

CiS e.V.
Name of bank: *Sparkasse Mittelthüringen*
IBAN: *DE37820510000130113425*
BIC: *HELADEF1WEM*

Subject: Detector Workshop

Recommended hotels:

Mercure Hotel Erfurt Altstadt
<http://www.mercure.com/en/hotel-5375-mercure-hotel-erfurt-altstadt/room.shtml>

Radisson Blue Erfurt
<http://www.radisson-erfurt.de/en/>

Ibis Erfurt Altstadt Hotel
<http://www.accorhotels.com/gb/hotel-1648-ibis-erfurt-altstadt/index.shtml>

B&B Hotel Erfurt
<https://www.hotelbb.de/de/erfurt>



Travel information

Erfurt is the state capital of Thuringia, located about 200 km east of Frankfurt and 300 km south of Berlin.

Arrival by plane:
via Frankfurt and Berlin, take a train to Erfurt main station and a city tram (#3 to Urbicher Kreuz, stop at Windischholzhausen/X-Fab) to the conference side.
For further information see:
<http://www.cismst.de/en/kontakt/anfahrt/>

The workshop will take place at the Institute conference room located on the 3rd floor.



Announcement

Workshop on Detector Technologies for High Energy Physics

November 27 – 29, 2016
Erfurt, Germany

The workshop is organized by
CiS Research Institute for Microsensor Systems GmbH
and the
Institute of Advanced Sciences at Yokohama National University, Japan

