

Registration

Please register online at: www.cismst.de/future3

The registration fee will be 200 € (participation for both days) and 100 € (participation for one day) (including VAT). All correspondence concerning the workshop should be addressed to:

Workshop Office

Uta Neuhaus

CiS e.V.

Konrad-Zuse-Str. 14, 99099 Erfurt, Germany

Phone: +49 361 663 1160

Fax: +49 361 663 1413

E-Mail: veranstaltung@cismst.de
www.cismst.de

Please transfer the registration fee to the following bank account:

CiS e.V.

Name of bank: Sparkasse Mittelthüringen
IBAN: DE37 8205 1000 0130 1134 25
BIC: HELADEF1WEM
Subject: FuTuRe III Workshop

Recommended Hotels:

Due to the tourist attraction of the Erfurt Christmas market, please book an overnight stay in good time.

Mercure Hotel Erfurt Altstadt

Meienbergstraße 26-27, 99084 Erfurt
<http://www.mercure.com/en/hotel-5375-mercure-hotel-erfurt-altstadt/room.shtml>

Radisson Blu Erfurt

Juri-Gagarin-Ring 127, 99084 Erfurt
<http://www.radisson-erfurt.de/en/>

Ibis Erfurt Altstadt Hotel

Barfuesserstrasse 9, 99084 Erfurt
<http://www.accorhotels.com/gb/hotel-1648-ibis-erfurt-altstadt/index.shtml>

Travel Information

CiS Forschungsinstitut für Mikrosensorik GmbH
Konrad-Zuse-Str. 14, 99099 Erfurt, Germany

You arrive in Erfurt ...

...by **plane** via Frankfurt or Berlin

...by **car** via Autobahn A4, exit "Erfurt Ost"

...by **train** to Erfurt main station and then **city tram** (Number 3, direction "Urbicher Kreuz", exit at the stop "Windischholzhausen /X-Fab") to the conference site.



The workshop will take place at the institute's conference room located on the 3rd floor.

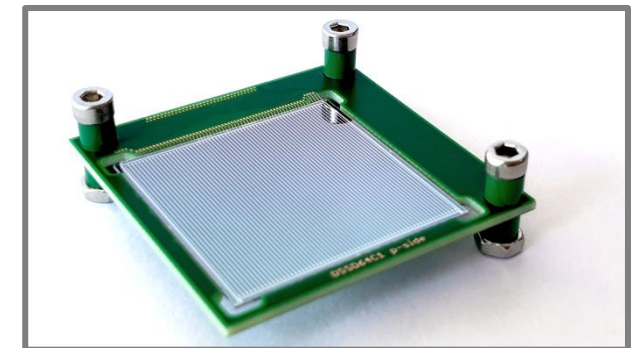


Workshop on the Future of Silicon Detector Technologies

5th Anniversary

FuTuRe

December 2nd to 3rd, 2019
Erfurt, Germany



The workshop is organized by

CiS e.V.



About this Workshop

While the technical progress in science, industry and everyday life is speeding up, there is a constant need in improving sensors in terms of higher sensitivity, higher reliability and better dynamics.

One type of sensor which could keep pace to the requirements of innovation for the last decades is the silicon diode based sensor. The silicon diode has established itself in many fields of applications.

In our workshop important fields will be addressed during our four interesting sessions:

Readout electronics

Sensors have to transfer signals to electronics. Current trends in electronics and highlights of modern sensor technology will be discussed.

Dosimetry in radiation therapy

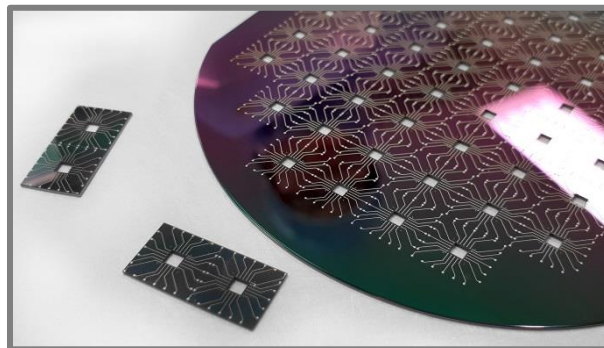
There is a strong need for developing new kinds of detectors for both traditional radiotherapy and particle radiation therapy that enable the precise localization of the dose.

Sensor development for x-rays

New insights into health, materials, environmental and other sciences this can only be done when sensors and detectors are produced and optimised in respect of lateral, time and energy resolution and high dynamics. It has to be discussed how this can be achieved on wafer, assembly and electronics level.

Defect engineering

The greatest challenges in defect engineering occur mainly in those sensors and detectors that are exposed to intense high energy radiation.

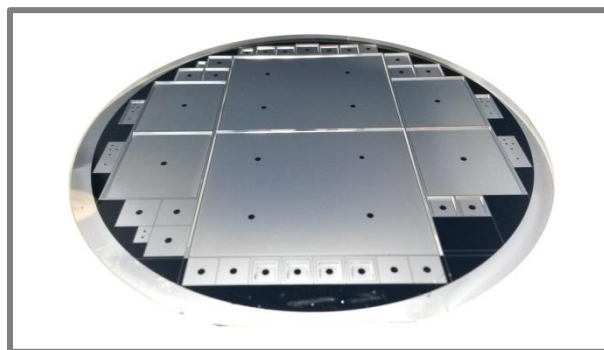


Abstract Submission

We invite you to participate with an oral presentation.

Deadline for submission: November 4th, 2019

Please send your Abstracts only as PDF by E-Mail to Uta Neuhaus
veranstaltung@cismst.de



General Agenda

December 1st (Sunday), evening

Welcome city tour and Christmas market.

December 2nd (Monday)

8:30 am Registration & Networking

9:00 am **Welcome address**

by Prof. Thomas Ortlev

Introduction of SiDE Business Unit of CiS

by Members of Si-Detectors Business Unit

Session I: Readout electronics

- Prof. Nobuyuki Yoshikawa, Yokohama National University
- MA Yoshi, Yokohama National University
- M.Sc. Alexander Schmid, KIT
- NN

Session II: Dosimetry in radiation therapy

- Prof. Dr.-Ing. Wolfgang Krautschneider, TU Hamburg
- Dipl.-Ing. Johannes Schilz, Strahlenschutzseminar in Thüringen e.V.
- Rafael Kranzer, PTW Freiburg
- Stephanie Schade, Technische Hochschule Mittelhessen
- Dr. Andreas Wagner,

7:00 pm **Network Dinner**

December 3rd (Tuesday)

8:30 am Registration & Networking

9:00 am **Start of second day**

Session III: Sensor development for x-rays

- Dr. Bernd Schmitt, Paul Scherrer Institut
- Dr. Jiaguo Zhang, Paul Scherrer Institut
- Jonathan Correa, DESY, Hamburg
- Tobias Wittig, CiS Forschungsinstitut
- NN

Session IV: Defect engineering

- Prof. Erich Runge, Technische Universität Ilmenau
- Michael Moll, CERN, Genf
- Teimuraz Mchedlidze, TU Dresden
- Daniela Seifert, X-FAB Semiconductor Foundries
- Kevin Lauer, CiS Forschungsinstitut