

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

**CiS Forschungsinstitut GmbH**  
Name of bank: Commerzbank AG  
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**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>



#### 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) to the conference side. For further information:  
<http://www.cismst.de/en/kontakt/anfahrt/>

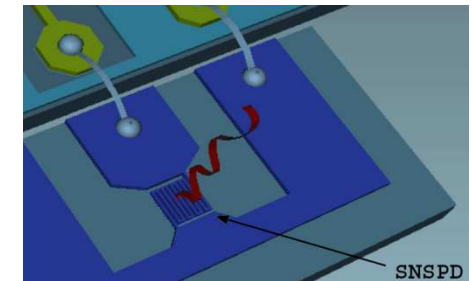
The workshop will take place at the Institute conference room located on the 3<sup>rd</sup> floor.



## Announcement

# Workshop on readout electronics for radiation and particle detectors

**December 20-22, 2015**  
**Erfurt, Germany**



The workshop is organized by the CiS Reserach Institute in collaboration with the Institute of Advanced Sciences at Yokohama National University, Japan.



# Workshop on readout electronics for radiation and particle detectors

The workshop is directed to those who want to get familiar with emerging technologies, devices and electronic circuits for radiation and particle detectors, as well as sensors with extremely good energy resolution.

The workshop contributions will cover design aspects and circuit concepts addressing the physical limitations in terms of sensitivity and energy efficiency. Special focus will be on the mixed signal interface, multi pixel readout as well as front end signal pre-processing.

## Organization

**CiS Research Institute for Microsensor Systems GmbH**

**Business Unit Silicon Detectors**  
**Ralf Roeder and Thomas Ortlepp**

## Registration

Registration via email is preferred and encouraged. The registration fee will be **180 Euros including VAT**. All correspondence concerning the workshop should be addressed to:

## **Workshop office**

**Uta Neuhaus**

**Konrad-Zuse-Str. 14**

**99099 Erfurt, Germany**

**Phone: +49 361 663 1160**

**Fax: +49 361 663 1413**

**E-Mail: [uneuhaus@cismst.de](mailto:uneuhaus@cismst.de)**

**[www.cismst.de](http://www.cismst.de)**

## Schedule

We invited four distinguished researchers:

- Prof. Akira Fujimaki, Nagoya University, Japan
- Dr. Terai, National Institute of Communication Technology, Kobe, Japan
- Prof. Michael Siegel, Karlsruhe Institute of Technology, Germany
- Prof. Noboyuki Yoshikawa, Yokohama National University, Japan

The aim of the workshop is to discuss recent developments and future activities in the emerging field of detectors, detector physics with particular emphasis on extremely sensitive and energy efficient signal readout circuits. The goal is the transfer of Scientific knowledge into industrial applications.

## General agenda for the three days workshop:

Dec 20<sup>th</sup> (Sun), 5pm: Social event (guided city tour) and welcome reception

Dec 21<sup>st</sup> (Mon), full day: Invited overview talks by distinguished experts in the field of Detector Technology as well as Superconductive Electronics. This first part is devoted to knowledge distribution mainly addressing PhD students and to R&D engineers from industry.

Dec 22<sup>nd</sup> (Tue), until 3pm: Oral presentations related to several technical issues and scientific aspects in practical detector systems and assessment of current and future demands from high-energy physics as well as from emerging industrial applications.

