

# TRDs for the third millennium

## 4th Workshop on Advanced Transition Radiation Detectors for Accelerator and Space Applications

### Bulletin n. 1

This is the first announcement of the 2011 Workshop on Advanced Transition Radiation Detectors that will take place on September 14-16, 2011 at the [Physics Department](#) of University of Bari, Italy. This workshop is sponsored by the CERN, the Istituto Nazionale di Fisica Nucleare (INFN), the Politecnico di Bari and the Università di Bari "Aldo Moro".

#### 1. Programme

The aim of the workshop is to discuss the applications of Transition Radiation Detectors in current and future accelerator and astroparticle physics experiments as well as to give an overview of the modern trends of advanced particle detector developments.

The programme will include sessions on TRDs in accelerator experiments, TRDs in space experiments, an overview of up-to-date particle identification methods, new approaches in the development of TRDs and an open discussion on the evolution of TRDs for future experiments. A special session will be dedicated to the latest trends of the detector developments and their possible applications for TRDs including X-ray detectors, as well as electronics for signal processing.

A session will be devoted to the memory of Boris Dolgoshein, who passed away in Dec. 2010. It will contain a retrospective of his many fascinating achievements and address new challenging ideas.

#### 2. Attendance and registration

To register for the workshop please fill in the [registration form](#) or send an e-mail to the workshop secretariat: [trd2011@ba.infn.it](mailto:trd2011@ba.infn.it), indicating the dates of arrival and departure.

The deadline for registration is July 10, 2011.

Due to the summer closing of the Bari Physics Department, the workshop secretariat will not be available from August 11 to August 22.

#### 3. Workshop timetable

The workshop will start on Wednesday, September 14, 2011 at 9:00 and end on Friday, September 16, 2011 at 18:30.

Two daily plenary sessions are scheduled, from 9:00 to 13:00 and from 14:30 to 18:30.

#### 4. Abstracts

Participants who wish to contribute to the workshop are invited to submit their abstracts before June 15, 2011, by filling in the [abstract section](#). The workshop secretariat will notify before July 10, 2011 if the contribution has been accepted. The average allocated time for presentations is expected to be 25 minutes including 5 minutes of discussion. Contributors are kindly requested to provide, upon arrival, an electronic version of their presentation. Invited and contributed talks will be published in the proceedings of the workshop.

#### 5. Proceedings

The proceedings of the workshop will be issued in 2012 on Nuclear Instruments & Methods in Physics Research.

#### 6. Accommodation

All participants should book their accommodation in one of the hotels in Bari. All details can be found in the [hotel list](#). It is recommended to book the room in advance, since there is an

important trade exhibition ("Fiera del Levante") in Bari scheduled at the same time.

## **7. Conference fee**

The conference fee is € 150 and includes the cost of the proceedings, of coffee breaks, lunches and social dinner. Please pay upon arrival at the registration desk.

## **8. Social activities**

The social activities will include a social dinner, a concert and a guided tour on Saturday, September 17, 2011.

## **9. Summary of important dates**

Deadline for receipt of abstracts: June 15, 2011

Deadline for registration: July 10, 2011

Workshop: September 14-16, 2011

## **10. Web site**

[TRDs for the third Millennium](http://www.ba.infn.it/trd2011)  
<http://www.ba.infn.it/trd2011>