



RICH2007

6th International Workshop on
Ring Imaging Cherenkov Counters

RICH2007 – SECOND BULLETIN

International Scientific Advisory Committee

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Conference Secretariat

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<http://rich2007.ts.infn.it>
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THE WORKSHOP

The Sixth Workshop on Ring Imaging Cherenkov detectors (RICH2007) will be held in Trieste, Italy, 15-20 October 2007. The workshop will focus on the "state of the art" and the future developments in **Cherenkov light imaging techniques** for applications in **High Energy Physics, Nuclear Physics and Astroparticle Physics**. Exotic application of Cherenkov radiation and alternative particle identification methods will also be discussed.

The **previous Workshops** of this series took place in Bari, Italy (1993); Uppsala, Sweden (1995); Ein Gedi, Israel (1998); Pylos, Greece (2002); Playa del Carmen, Mexico (2004).

The conference is organized in plenary sessions of **invited talks and contributed talks, and poster presentations**. The proceedings will be published in **Nuclear Instruments and Methods in Physics Research Section A**, as the proceedings of the previous Workshops.

SCIENTIFIC PROGRAMME

The **list of topics** includes:

- Cherenkov light imaging in particle and nuclear physics experiments
- Cherenkov detectors in astroparticle physics
- Novel Cherenkov Imaging Techniques
- Photon detection for Cherenkov counters



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- Technological aspects of Cherenkov detectors
- Pattern recognition and data analysis
- Exotic applications of Cherenkov radiation.

The scientific programme consists of eight half-day scientific sessions.

The following **invited talks** have been confirmed:

- Advantages and limitations of the RICH technique for particle ID.
B. Ratcliff (SLAC)
- Review of relevant Cherenkov imaging devices in particle/nuclear experiments currently running, under construction, and planned.
D. Websdale (Imperial College)
- Review of relevant Cherenkov imaging devices in astroparticle experiments currently running, under construction, and planned.
E. Lorenz (ETH)
- Review of the analysis techniques currently in use, including a comparison of the measured/expected particle ID performance in different experiments.
G. Wilkinson (University of Oxford)
- Status and perspectives of vacuum-based photon detectors for single photon detection.
T. Gys (CERN)
- Status and perspectives of solid state photon detectors for single photon detection.
J. Haba (KEK)
- Status and perspectives of gaseous photon detectors for single photon detection.
R. Chechik (Weizmann Institute)
- Detection of Cherenkov radiation of very long wavelength (radio region).
G. Varner (University of Hawaii)
- Workshop highlights.
S. Dalla Torre (INFN-Trieste)



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RICH2007- NIM A Young Scientists' Award

The "RICH2007-NIM A Young Scientists' Award" will be granted at RICH2007. The Award is sponsored by the journal Nuclear Instruments and Methods in Physics Research, Section A; it consists in an amount of 1,000 €.

Eligibility criteria :

1. maximum age of 32 years at the time of the workshop
2. no permanent position
3. contributions to RICH detectors, as discussed in a talk or a poster presented at RICH2007

IMPORTANT: The young scientists presenting a talk or a poster at RICH2007, are kindly requested to send an e-mail to the Conference Secretariat (rich2007@ts.infn.it) by 1 October 2007 indicating their birth date and their present position: these data are needed to include them among the eligible persons.

WORKSHOP SITE

The Workshop site is the **Congress Centre Stazione Marittima**

(<http://www.promotrieste.it/promotrieste.aspx>), in the centre of Trieste, directly on a pier.



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DATES

The site is now open for registration, abstract submission and hotel reservation.

The important dates and deadlines are:

- **15 June 2007**
 - Deadline for the abstract submission
 - Deadline for the request of support
 - Deadline for the request of Invitation Letters for VISA procedures
- **15 July 2007**
 - Finalization of the scientific programme, including the decision about the submitted contributions
- **20 July 2007**
 - Answers to the requests of support grants
- **31 July 2007**
 - Deadline for the registration and Fee payment without extra charge
 - Deadline for the hotel booking at preferential rates (please note that we cannot guarantee hotel booking after this deadline: Trieste is pretty crowded in October).

PRACTICAL INFORMATION

The **registration and secretarial desk** will be open on Monday, 15 October 2007 from 18:00 till 22:00; from 16 October till 20 October 2007, it will be open in parallel to the Workshop scientific sessions.



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Transportation from the Trieste airport to the Workshop site on 15 October 2007, evening and from the Workshop site to the Trieste airport on 20 October 2007, afternoon will be provided; details will be communicated later. All the hotels proposed are within walking distance from the Workshop site.

About **computing facilities**, a 2 Mbps line dedicated to the Workshop will be made available. Wireless connection will be available in the Auditorium, where the Workshop sessions will take place, and in a dedicated terminal room. A few desktop will be available in the terminal room. **The participants, who will use the available wireless connection, are kindly request to fill the corresponding fields of the registration form.**

The **workshop fee** is 250 €, if paid by 31 July, and 320 €, in case of later payment. The fee includes registration, coffee breaks, social programme of the participant and a copy of the proceedings. The fee and the deposit for hotel reservation can be paid via a bank transfer or with one of the following **credit cards**: Visa, Master Card and Eurocard (payment via the system *verified by VISA* (UE)).

A limited number of **support grants** are available for participants from less favoured countries and students.

SOCIAL PROGRAMME

Monday, 15 October 2007, *Evening*: Welcome Cocktail at the Conference site (in parallel with the registration to the Workshop).



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Tuesday, 16 October 2007, *After the afternoon session:*

Lecture about **Karst** (in Italian: **Carso**), the natural environment surrounding Trieste.

Wednesday, 17 October 2007, *Afternoon and evening:* Half-day excursion to [Aquileia](#) and [Grado](#), followed by the **Workshop Banquet**.

Thursday, 18 October 2007, *First part of the afternoon:*

Short excursion either to (1) [Miramare Castle and Park](#) or to (2) ["Grotta Gigante" Karst cave \(web site in Italian\)](#); the participants will choose between options (1) and (2).

Friday, 19 October 2007, *Evening:* Cocktail party followed by a **Concert**.

**For more [information](#), to [register](#),
and to [submit an abstract](#), please visit the
web site:**

<http://rich2007.ts.infn.it/>