

**FOURTH INTERNATIONAL  
BALKAN SCHOOL  
ON  
NUCLEAR PHYSICS**

**Bodrum – TURKEY  
22 – 29 September 2004**

**FIRST ANNOUNCEMENT**

- School Directors :** Dimiter BALABANSKI ( University of Sofia, Bulgaria )  
Dennis BONATSOS (NCSR Democritos, Greece )  
Nizamettin ERDURAN ( Istanbul University, Turkey )
- Course Director :** Richard F. CASTEN (Yale University, USA)
- Chairman :** Baki AKKUS ( Istanbul University, Turkey )  
**Coordinator :** Lidya AMON ( Istanbul University, Turkey )

The 2004 Balkan School on nuclear Physics will be held in Bodrum (Turkey) in the period September 22-29, 2004. It will be jointly organized by Istanbul University and the Istanbul branch of Turkish Physical Society under the auspices of the Balkan Physical Union. The school will be mainly devoted to the studies of Nuclear Structure and will be open to graduate students and young researchers from all countries working in the field of nuclear physics.

Bodrum (ancient Halicarnassus) is situated on a peninsula facing the island of Kos (Greek Island), and is the hometown of Herodotus, known to some as the "Father of History". Homer's description of Bodrum as "The land of eternal blue". Built on a peninsula formed by the meeting of the eastern and western harbors, Bodrum, with its narrow streets winding down to the sea, is famous for its castle, its world-renowned yachts, its shipyards and the dazzling white houses and tombs lining the shores of its two harbors. Milas-Bodrum airport is 40 km away from the center of Bodrum. Bodrum is an important tourism center in Turkey, which attracts attention for its natural beauties as well as its history.

**Scientific Programme:**

Lectures and seminars will cover new developments in nuclear physics research. The newly operational large gamma detector arrays and the first generation of radioactive beam facilities are opening new perspective in the study of nuclear structure and dynamics. The scope of the school is to provide information on the most recent experimental and theoretical achievements in the field and on the new possibilities offered by the facilities under construction. The main topics will be studies of nuclei at the limits of angular momentum and isospin.

## **Lecturers:**

**Dino Bazzacco (University of Padova, Italy)**  
**Roelof Bijker (UNAM, Mexico City, Mexico)**  
**Jonathan Billowes (University of Manchester, UK)**  
**Hans Boerner (ILL, Grenoble, France)**  
**Richard F. Casten (Yale University, New Haven, USA)**  
**George Dracoulis (ANU, Canberra, Australia)**  
**Claes Fahlander (University of Lund, Sweden) \***  
**Juergen Gerl (GSI, Darmstadt, Germany)**  
**Muhsin Harakeh (KVI, Gronningen, The Netherlands) \***  
**Mark Huysse (University of Leuven, Belgium) \***  
**Jan Jolie (University of Köln, Germany) \***  
**Andreas Karydas (NCSR 'Demokritos', Athens, Greece)**  
**David Lunney (CSNSM, Orsay, France) \***  
**Gerda Neyens (University of Leuven, Belgium)**  
**Norbert Pietralla (University of Köln, Germany/ SUNY, Stony Brook, USA) \***  
**David Radford (ORNL, Oak Ridge, USA) \***  
**Mario Stoitsov (INRNE, Sofia, Bulgaria and ORNL, Oak Ridge, USA) \***  
**Ian Thomppson (University of Surrey, Guildford, UK) \***

\* to be confirmed

## **Grants:**

A number of grants for students from the Balkan and developing countries will be available. Those wishing to apply for a grant provide a letter of recommendation from the supervisor.

## **Participation:**

Attendance is limited to 120 students. Those interested are kindly requested to submit their application forms to the Organizing Committee by July 15, 2004. The school fee will be EUR 500, which includes accommodation and meals (breakfast,lunch and dinner), school bag, abstract book, the conference proceedings (CDROM), badges, notebook and pen, transportation from and to the airpoort, School Dinner, School reception at the Bodrum Castle, and one day sightseeing in Bodrum.

Bank detail is given as follows:

<b>Name of the Bank</b>	<b>AKBANK</b>
<b>Name of the Branch</b>	<b>BEYAZIT</b>
<b>Account number</b>	<b>0064350 - 2</b>

The participants willing to contribute with seminar talks are kindly requested to fill in the appropriate part of the application form. Selected contributions will be scheduled as 15 minutes for oral presentations and then published in the school proceedings.

## **Proceedings:**

Lectures and seminars will be published in a special issue of the Balkan Physics Letters (BPL).

## **Time Table :**

- **January 31, 2004 - Pre-registration deadline**
- **May 31, 2004 - Abstract submission deadline**
- **July 15, 2004 - Registration deadline**
- **September 12, 2004 - Deadline for contributions**
- **September 22, 2004 - Conference starts**

## **Organizing Committee :**

**Baki AKKUS, Istanbul, Turkey, Chairman**  
**Yesim OKTEM, Istanbul, Turkey, Co-Chairman**  
**Lidya AMON, Istanbul, Turkey, Coordinator**  
**Burcu CAKIRLI, Istanbul, Turkey**  
**Pınar CAN, Istanbul, Turkey**  
**Ozgun COBANOGLU, Istanbul, Turkey**  
**Ela GANIOGLU, Istanbul, Turkey**  
**Elif INCE, Istanbul, Turkey**  
**Ani MINKOVA, Sofia, Bulgaria**  
**Ibrahim YIGITOGU, Istanbul, Turkey**

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