



2<sup>nd</sup> International Conference on Frontiers in  
Nuclear Structure, Astrophysics, and Reactions  
**FINUSTAR 2**  
Aghios Nikolaos, Crete, Greece, September 10-14, 2007



2<sup>ND</sup> INTERNATIONAL CONFERENCE ON  
FRONTIERS IN NUCLEAR STRUCTURE, ASTROPHYSICS, AND REACTIONS

1<sup>st</sup> CIRCULAR

February 13, 2007

Dear Colleagues

In light of the enthusiastic response of the international nuclear physics community to the International conference entitled "Frontiers In NUclear STructure, Astrophysics and Reactions" (FINUSTAR), we are organizing the second one of the series, FINUSTAR-2, at Aghios Nikolaos, Crete, on September 10-14, 2007. Like the previous conference, FINUSTAR-2 aims at covering a wide spectrum of research activities, both theoretical and experimental, in nuclear structure, nuclear astrophysics and nuclear reactions that have been overlapping strongly over the last years mainly by the utilization of common instrumentation and research facilities.

FINUSTAR 2 will cover the following topics:

- Nuclear structure at the extremes.
- Collective phenomena and phase transitions in nuclei.
- Exotic excitations.
- Synthesis and structure of the heaviest elements.
- Nuclear masses and ground state properties.
- Ab-initio calculations and the shell model.
- Mean field theories, cluster models and molecular dynamics.
- Nucleon scattering and reaction dynamics at low and intermediate energies.
- Nuclear reactions off stability and indirect methods.
- Weak-interaction processes in nuclear astrophysics - Neutrino physics.
- Nucleosynthesis in the cosmos and nuclear physics aspects.
- Radioactive and exotic relativistic beams.
- Facilities and instrumentation for the future.

The conference will be held at the Iberostar Mirabello Beach (4\*) and Village (5\*) Hotel located on the northern coast of Crete 2 Km north of the town of Aghios Nikolaos and about 70 Km east of the capital city of Heraklion (Iraklion). The conference will start on Monday morning (September 10) and end on Friday afternoon (September 14). A welcome reception will take place on Sunday evening, September 9. The conference banquet will be held on Thursday evening, September 13. The proceedings of the conference will be published and the name of the publisher will be announced in the next circular.

## IMPORTANT DATES TO REMEMBER

### DEADLINES

- Abstract submission: May 14, 2007
- Early registration: July 1, 2007
- Late registration: September 10, 2007
- Hotel reservation: July 25, 2007

### REGISTRATION FEES

- Early registration (before July 1, 2007): 340 Euros
- Late registration (after July 1, 2007): 390 Euros
- Accompanying persons: 220 Euros
- Students: 250 Euros

Registration fees include:

- Coffee breaks
- Welcome cocktail and buffet on Sunday, Sept. 9, 2007
- Banquet (conference dinner) on Thursday, Sept. 13, 2007
- One copy of the proceedings
- Conference bag
- Booklet of abstracts

Registration fees can be paid via bank transfer (the relevant account will be given soon). Late registration fees should be paid the latest at the beginning of the conference at registration **in cash**.

### ACCOMMODATION

The conference will be hosted at the IBEROSTAR Mirabello Beach and Village Hotels. Participants can choose between Half-Board (HB) and Bed & Breakfast (BB) rates that are given below.

ROOM TYPE		HB	BB	
Single occupancy	(Mirabello Beach 4*)	90 €	80 €	per night
Double occupancy	(Mirabello Beach 4*)	70 €	60 €	per person - per night
Bungalow stand - shared	(Mirabello Village 5*)	93 €	83 €	per person - per night
Maisonette - shared	(Mirabello Village 5*)	149 €	139 €	per person - per night
<ul style="list-style-type: none"><li>• Children under 3 free of charge, between 3 and 13 with 50% reduction)</li><li>• These rates apply also for an extended stay (before or after the conference)</li></ul>				

Please download the hotel reservation form from the conference web site and send it by e-mail ([res.mir@iberostar.com.gr](mailto:res.mir@iberostar.com.gr)) or fax (+30 28410 28810) to the hotel reservations office (Hotel contact person : Ms Aristeia Ergazaki, Phone: +30 28410 28400).

For more details please visit the web site: (<http://www.inp.demokritos.gr/~finustar2>)

Looking forward to welcoming you to Crete

Rauno Julin and Sotirios Harissopoulos (Chairs)  
Vivian Demetriou (Scientific Secretary)