



**BW2005 WORKSHOP**  
**II Southeastern European Workshop**  
**Challenges Beyond the Standard Model**



**19-23 May 2005**  
**Nis, Serbia**

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## **First announcement**

### ***General Information***

The Workshop will be held in Nis from 19<sup>th</sup> to 23<sup>rd</sup> May 2005, as a natural continuation of the BW2003, which was held in Vrnjacka Banja, Serbia in 2003. The organizers are

Department of Physics, University of Nis

Max Planck Institute for Physics Munich

Ludwig-Maximilians-University Munich

Local coorganizer is Section of Serbian Physical Society – Nis.

### **Goals**

The purpose of the Workshop is to foster and improve the communication among the researchers in the Balkan region and also between them and their colleagues elsewhere in the world.

The principal idea is to create an opportunity for the researchers working in the general area of high energy physics at different institutions in the Balkan countries to showcase their work and present their results. This will help continuation of a supportive environment with closer collaborative ties and to strengthen the existing regional and interregional collaboration (e.g. SEENET-MTP). Such enhanced communication and collaboration between individual researchers in high energy physics in the region will encourage closer contacts and cooperation between their faculties, universities and institutes, supporting an exchange of scientific personnel and the realization of joint projects.

Science has already transcended national borders, and our ultimate hope is that the effect of scientific integration will also have positive influences on the societies in the Balkan in general.

## **Topics**

- Strings and superstrings
- String field theory
- Supersymmetry and conformal field theory
- Noncommutative field theory
- D-branes and matrix models
- Cosmology, quantum gravity, extra dimensions
- Particle physics: theory and (LHC) phenomenology
- Noncommutative, q-deformed and nonarchimedean models
- Integrable systems

## ***International Advisory Committee***

IAC consists of the all members of the Steering-Advisory Committee of the SEEENET-MTP and following scientists:

- I. Antoniadis (CERN)
- C. Bachas (Paris)
- S. Bellucci (Frascati)
- D. Brydges (IAMP, Vancouver) TBC
- M. Chaichian (Helsinki)
- S. Dimopoulos (Stanford)
- J. Ellis (CERN)
- B. Guberina (Zagreb)
- Z. Maric (Belgrade) TBC
- S. Meljanac (Zagreb)
- B. Dobrescu (Fermilab)
- H. Nicolai (Golm)
- S. Randjbar-Daemi (ICTP)
- H. Steinacker (Wien)
- G. t`Hooft (Utrecht) TBC
- G. Zoupanos (Athens)

## ***Organizing Committee***

- B. Aneva (Sofia)
- G. Djordjevic (Nis), chairman
- V. Dragovic (Belgrade)
- M. Dugic (Kragujevac)
- B. Jurco (Munich)
- Lj. Nestic (Nis), vicechairman
- A. Nicolaidis (Thessaloniki)
- M. Milekovic (Zagreb)
- V. Radovanovic (Belgrade) TBC
- M. Visinescu (Bucharest)

## ***Secretaries***

- D. Dimitrijevic (Nis)
- F. Meyer (Munich)

## ***Participants***

The number of participants is expected to be around 50. Living and travel expenses will be covered partially, depending on the level of international support and the availability of funds. Detailed information concerning financial support will be given as soon as possible.

The registration fee is 100 EURO and 50 EURO for students and postdocs.. Registration fee for accompanying persons is 40 EURO. MEMBERS (<http://mtp.milan.com/members/index.htm>) of the SEENET-MTP will have a special discount.

The organizers will try to waive a number of the participants from the conference fee.

The Conference Committee of the European Physical Society agreed to grant the sponsorship to the BW2005. All colleagues eligible for *East West Task Force (EWTF)* support are strongly encouraged to apply. Further details can be found at <http://www.fzu.cz/varia/ewtf/>.

## ***Travel***

For travel information see our webpage.

## ***Sponsors***

The following institutions have announced or confirmed financial support of the Workshop:

UNESCO - ROSTE (Regional Bureau for Science in Europe, Venice)

ICTP (The Abdus Salam International Centre for Theoretical Physics, Italy)

EPS (European Physical Society)

Serbian Ministry of Science and Environment Protection

DFG (Deutsche Forschungsgemeinschaft, Germany)

Faculty of Science, Nis

## ***Accommodation***

Details concerning the accommodation will be given later.

## ***Contribution***

The time allowed for the invited talks is expected to be 40-45 minutes. The time for oral presentations of the participants is expected to be 20-25 minutes.

An Abstract Book will be published before the Workshop. Extended abstracts, one to two page(s) typed in LaTeX, including up to 5 references, should be sent by e-mail by April 30, 2005.

More details about publishing of abstracts and possible Conference Proceedings will be given later.

**Registration**

The Registration form can be found at:

<http://www.pmf.ni.ac.yu/bw2005/registration.htm>

IMPORTANT!

Please send a tentative title of your talk before February, 25<sup>th</sup> 2005.

**Contact Address**

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