
BALKAN SUMMER INSTITUTE 2011

* Seminar: Trends in Modern Physics

BALKAN SCHOOL AND WORKSHOP - BSW2011

* School: Cosmology and Particle Physics Beyond the Standard Models

* Workshop: Scientific and Human Legacy of Julius Wess

* Workshop: Particle Physics from TeV to Plank Scale

FIRST ANNOUNCEMENT

GENERAL INFORMATION

Faculty of Science and Mathematics, University of Niš (Serbia), in cooperation with International Centre for Theoretical Physics (ICTP, Trieste, Italy), Ludwig-Maximilians University (LMU, Munich, Germany), Faculty of Physics, University of Craiova (Romania) and other partners, is organizing the **Balkan Summer Institute BSI2011**, with the **Balkan School and Workshop BSW2011** as its central part.

The **BSI2011** will be the main event of the SEENET-MTP network (<http://www.seenet-mtp.info/>) program in 2011. Section of Serbian Physical Society Niš is the local coorganizer. BSW2011 will be held at the bank of Danube river, in the National Park Djerdap, east Serbia. More details about the venue of BSW2011 will be given in the second announcement and at the web page of the event.

DIRECTORS

G. Djordjević (Niš), E. Dudas (Palaiseau), G. Dvali (Munich/CERN),
D. Lüst (Munich), G. Senjanović (Trieste), D. Stojković (Buffalo).

The SEENET-MTP Seminar

SEENET-MTP Network, in cooperation with UNESCO-BRESCE Venice, is planning to organize **Seminar: Trends in Modern Physics** for the elementary and high school teachers from Balkan countries and neighboring regions, which will be held from 19th – 21st August, 2011.

More information will be available through this web page <http://www.seenet-mtp.info/bss2011>.

The SEENET-MTP School (21st – 26th August 2011)

On the tenth anniversary of the first German-Serbian School in Modern Mathematical Physics (<http://tesla.pmf.ni.ac.rs/school/index.htm>), the goal of this School is to improve the students' and young researchers' knowledge in the scientific fields of the event. Lecturers will give 3-4 lectures, 90 minutes each, starting from an introductory level and then gradually approaching an advanced research level. These lectures will be followed by tutorials/exercises and/or discussions. Expected number of School participants is about 50.

School Lecturers: I. Antoniadis (CERN), N. Lambert (CERN), G. Dvali, (Munich/CERN) TBC,
T. Han (Wisconsin), G. Senjanović (ICTP) TBC, F. Vissani (Gran Sasso).

The SEENET-MTP Workshop (27th – 31st August 2011)

The purpose of the Workshop is to foster and improve the communication and interaction between the researchers in the Balkan region and their colleagues elsewhere in the world, and to give the opportunity to the young researchers to present their recent research work. The workshop talks should take 30 minutes. Expected number of Workshop participants is between 40-50.

The first day of the Workshop, 27th of August 2011, will be devoted to the **Scientific and Human Legacy of Julius Wess**, a great physicist and a dedicated supporter of physics and science in general all over the world. Julius Wess was one of the founders of the SEENET-MTP Network.

TOPICS

BSW2011 program is mainly oriented towards the recent progress and developments in:

- Dark Matter: Connecting Micro- and Macro-Cosmos,
- LHC Theory and Phenomenology,
- Supersymmetry, String Theory and Phenomenology, Cosmology and Planck Scale Physics.

PUBLICATIONS

The organizers will prepare and publish the Book of Extended Abstracts of the Workshop – Short Communications before the event. Extended abstracts, up to two pages typed in LaTeX, including up to 5 references, should be sent by e-mail (bsw2011@seenet-mtp.info) not later than June 1st, 2011. The lecture notes of the School and selected papers from the Workshop will be published after the Meetings elsewhere. All details will be given later.

PARTICIPANTS

Beside experts, the organizers would like to encourage active participation of young researchers from the Balkan countries and neighboring regions. The organizers will cover local expenses for a number of invited School's and Workshop's lecturers. Living expenses and a part of the travel expenses will be covered for a limited number of students and young researchers in accordance with the sponsor's rules.

SOCIAL EVENTS

Several social events are planned: School & Workshop banquet; organized bus trip to Rajacke Pimnice (nominated for the UNESCO World Heritage List) - about 270 wine cellars, most of which date back to 18th century; Felix Romuliana - the late Roman fortified palace, late 3rd and early 4th century (UNESCO World Heritage Site); sightseeing ship tour to Lepenski Vir (Neolith, 8000 BC), Traian bridge and Traian table (1st-2nd century), visit of Niš (Constantine the Great summer residency, 4th century) etc.

REGISTRATION & REGISTRATION FEE

The Registration form can be found at <http://www.seenet-mtp.info/bsw2011/registration>, the deadline is May 1st, 2011. The **registration fee** for the Workshop is 120 EURO (60 EURO for students and accompanying persons). SEENET-MTP MEMBERS (<http://www.seenet-mtp.info/members/>) have a special discount.

TRAVEL AND ACCOMMODATION details will be given later.

SPONSORS: Confirmed: ICTP (Trieste)
Contacted: UNESCO-BRESCE (Venice), MassTeV - CERN, DAAD,
Serbian Ministry of Science and Technological Development, EPS

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