

SEENET-MTP

10 years of regional story

- **Initiative for the SEENET-MTP NETWORK:**
 - BW2003 Vrnjacka Banja, Serbia, Aug. 29 – Sept. 3, 2003
 - Main supporter: Julius WESS
 - Main sponsor: UNESCO ROSTE VENICE
- **Structure Development 2004 - 2012**
 - 20 institutions from 11 countries in the region joined the Network
 - 11 partner institutions all over the world
 - about 300 individual members

Network nodes

Astron. Observ.
Dept. Theor. Physics
Univ. Zagreb, Croatia
Belgrade, Serbia

Fac. Physics
Univ. Institute of Physics
Belgrade, Serbia
Belgrade, Serbia

Dept. Physics
Univ. Nis, Serbia

Inst. for Nucl. Research
and Nuclear Energy
Sofia, Bulgaria

Dept. Math. Phys. & Comp. Sc.,
School of Nuclear & Particle Physics
Aristotle Univ. Thessaloniki
Thessaloniki, Greece
Greece

N.I.P.N.E.
Univ. Craiova
Bucharest, Romania
West Romania
Timisoara, Romania

Bogazici University
Istanbul, Turkey

Cankaya University
Ankara, Turkey

11 partner Institutions out of the region

- Department of Physics & Astronomy, The Johns Hopkins University, **Baltimore, USA**
- Center for Dynamical Systems, Geometry and Combinatorics, Mathematical Institute SANU, **Belgrade, Serbia**
- Department of Physics, Buffalo University, Buffalo, USA
- Mathematics Department, Lusofona University, Lisbon, Portugal
- Department of Theoretical Physics (F-1), Jozef Stefan Institute, **Ljubljana, Slovenia**
- Department of Mathematics, Centre for Mathematical Sciences; Lund Institute of Technology / Lund University, **Lund, Sweden**
- Lab 170, ITEP, **Moscow, Russia**
- String Theory Group, Ludwig-Maximilians-Universität and Max-Planck-Institut fuer Physik, **Munich, Germany**
- Algebraic Structures in Field Theory Group, CBPF, **Rio de Janeiro, Brasil**
- Particle Physics Group, Institute for Theoretical Physics, Vienna University of Technology, **Vienna, Austria**
- Department of Statistics, Faculty of Science, University of Warwick, **Warwick, UK**

Main supporters of the Network:

- UNESCO (BRESCE), Venice, Italy

Other supporters:

- ICTP - The Abdus Salam International Centre for Theoretical Physics, Italy
- DAAD - Deutscher Akademischer Austausch Dienst, Germany
- DFG - Deutsche Forschungsgemeinschaft, Germany
- CEI – Central European Initiative
- ESF – European Science Foundation through Quantum Geometry and Quantum Gravity Network
- EPS - European Physical Society
- IAMP - International Association of Mathematical Physics
- Max Planck Institute for Physics, and Ludwig-Maximilians-University, Munich, Germany

NETWORK ORGANIZATION

Executive Committee:

- *Boyka ANEVA, INRN Sofia, Bulgaria*
- *Viorel CIORNEA, Institute for Applied Physics Chisinau, Moldova*
- *Goran DJORDJEVIC, Executive director, University of Nis, Serbia*
- *Ilja DORSNER, University of Sarajevo, Bosnia and Herzegovina*
- *Silvana MICO, Physics Department, University of Vlora, Albania*
- *Marijan MILEKOVIC, University of Zagreb, Croatia*
- *Argyris NIKOLAIDIS, University of Thessaloniki, Greece*
- *Tonguc RADOR, TBC, Bogazici University Istanbul, Turkey*
- *Yurii SITENKO, Bogolyubov Institute for Theor. Physics Kyiv, Ukraine*
- *Viktor URUMOV, Faculty of Science, University of Skopje, Macedonia*
- *Mihai VISINESCU, NIPNE Bucharest, Romania*

Presidents:

2003 – 2009: Goran DJORDJEVIC

2009 – 2013: Radu CONSTANTINESCU

Main Office: Faculty of Science and Mathematics, University of Nis, Serbia



Breaking News

- Short-term Fellowships (Feb 21st, 2009)
- Spring School on Strings, Cosmology and Particles - SSSCP2009 (Jan 15th, 2009)

Latest News

- Petnica International Summer Science Camp PI09 (Mar 27th, 2009)
- SCOPES Program - Call for new projects for SEE countries (Feb 21st, 2009)
- New Call for COST Actions! (Feb 21st, 2009)

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Recognizing the importance, as well as the necessity, to provide the framework for the institutional capacity-building in Mathematical and Theoretical Physics covering the different educational levels in science education and bridging the gap between Southeastern and Western European scientific community, the participants of the UNESCO-ROSTE-sponsored [BALKAN WORKSHOP BW2003](#) "Mathematical, Theoretical and Phenomenological Challenges Beyond the Standard Model: Perspectives of Balkans Collaboration" (Vrnjacka Banja, Serbia, August 29 - September 3, 2003) came to a common agreement on the Initiative for the SEENET-MTP NETWORK. Within the years 2004-2007, 14 institutions from 6 countries in the region joined the Network partner institutions, all over the world as well as about 140 individual members. This Network has been a natural continuation of Prof. Julius Wess' initiative: Scientists in Global Responsibility (Wissenschaftler in Global Verantwortung - WIGV in German), started in 1999.

Goals

- Provide the framework for the institutional capacity-building in Mathematical and Theoretical Physics covering the different educational levels in science education;
- Strengthening of close relations and co-operation among faculties of science, research institutions and individual scientists across the region of Southeastern Europe (SEE). Organization of joint scientific events and mobility program;
- Support capacity building in science and technology for development by initiating intensive, new approaches to teaching physics and sciences;
- Promote exchange of students and encourage communication between gifted pupils motivated for natural sciences at regional and interregional level;
- Support establishment of local and regional centers of excellence in physics and mathematics.

Activities

- Exchange of scientists - short term visit
- Exchange of students (preferably PhD students, or for preparation of a diploma work/thesis, or Master degree) -short term visit

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Network Meetings

[BW2003](#) [BW2005](#) [QM2005](#) [QFTHS2006](#)
[STMP2006](#) [MMP2006](#) [SQ2007](#) [SQTC07](#)
[BW2007](#) [MMP2008](#) [NTST08](#) [SSSCP2009](#)

 

Archives

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ASSETS OF THE NETWORK

- **Mobility program:**
 - *About 160 exchanges (both researchers and students) in the region (2005-20112) in average 20 per year*
 - *Duration of visits: one week (for students up tp one month)*
- **Network meetings:** *15 meetings in 7 years, about 750 participants*
- **Publications:** *Monographs, Network Conference Proceedings: about 10 issues*
- **Research:** *Numerous joint papers with acknowledgements to UNESCO and ICTP for support, partially or even fully based on collaboration during exchanges*
- **Scientific education and promotion of science/physics**
 - *lectures and books*
 - *Meetings and Competitions of High School students and undergraduate students: ``Science and Society`` in 2008, 2009 and 2011*
 - *Special class for high school students with special interests in sciences, Nis, Serbia, www.pmf.ni.ac.rs/f_odeljenje*
- **Map of Excellence in Physics and Mathematics in SEE:** *Profiles of 40 research/higher education institutions in SEE, from 7 countries*



Thank you!