



Horizons in
Physics
Education



1st Meeting of HOPE Working Group 4

Improvements in the Training and Supply of Physics School Teachers

University of Zagreb [CRO]

2015-06-18/20

Thursday 18 June 2015

Venue: Hotel Dubrovnik

9:00-12:00 MAW meeting at the hotel

13:00 Lunch at Hotel Dubrovnik

12:30-14:00 Registration

Afternoon Sessions Chairperson: Leopold Mathelitsch

14:30-15:00

- Welcome by the local organizer Darko Androic
- Welcome by the representative of the *University of Zagreb*
- Welcome by the Managing Committee of HOPE: Nadine Witkowski
- Introduction by the chairs and MC responsible of WG4: Leopold Mathelitsch, Marisa Michelini, Ales Mohorić

15:00-16:00 Chris Shepherd (IOP): "Challenges facing Physics Teachers in England and what the IOP is doing to help"

Physics teachers in England face a number of challenges. These include the poor uptake of the subject among girls, the restricted supply of physics teachers, and the piecemeal interventions by the government in the curriculum. Chris will describe how the Institute has had some success in improving these through intervention projects, marketing, mentoring schemes and a curriculum guidance forum. Chris will also describe early work on an IOP holistic teacher registration and development system as a means towards creating a vibrant physics teacher community.

- 16:00-16:30 Tea/Coffee break
- 16:30-17:00 Miroslav Furić (Univ. Zagreb): “Physics Teachers' Education Crisis / the Croatian angle”
- 17.00-17.30 Vaggelis Vitoratos (Univ. Patras): “Review of the work done on Physics Teacher Education (PTE) in STEPS-TWO network - Suggestions for further research”
- 17.30-18.00 Leopold Mathelitsch (Univ. Graz): “Working Group 4: Tasks, ideas, plans,”
- 19:00 Banquet in Hotel Dubrovnik

Friday 19 June 2015
Venue: University of Zagreb

Morning Sessions Chairperson: Marisa Michelini

- 09:00-9:30 Urbaan Titulaer (Univ. Linz): “Benchmarks for physics teacher education programs”
- 09:30-10:00 Maja Planinić (Univ Zagreb): “Pedagogical content knowledge – a challenge in physics teacher education”
- 10:00-10.30 Ales Mohorić (Univ. Ljubljana): “Life-long learning of physics teachers in Slovenia”
- 10:30-11:00 Tea/Coffee break
- 11:00-12:30 General discussion
Division in subgroups
- 12:30-13:30 Lunch

Afternoon Sessions Chairperson: Ales Mohorić

- 14:00-15:30 Work in subgroups
- 15.30-16:00 Tea/Coffee break
- 16:00-17:00 Work in subgroups
- 17:00-18:00 Presentation of outcome of subgroups in plenum
- 20:00 Dinner Hotel Dubrovnik

Saturday 20 June 2015
Venue: Physics Department, Faculty of Sciences

Morning Sessions Chairpersons: Leopold Mathelitsch, Ales Mohorić

09:00-10:30 Finalization of the work in subgroups and concretization of tasks

10:30-11:00 Tea/Coffee break

11:00-12:30 Marisa Michelini: Conclusions and Outlook

12:30-13:30 Lunch

14:00 Social event