SEENET-MTP mreža u okviru Medjunarodnog Programa naučne razmene (Exchange Program between the String Theory group of the Ludwig Maximilians University-LMU and the Max Planck Institute for Physics-MPI, Munich, and the Chair of Theoretical Physics, University of Nis, Serbia), u saradnji sa Bavarskim Ministarstvom za nuaku i Ministarstvom za nauku i tehnološki razvoj Republike Srbije organizuje seminar i seriju predavanja **Prof. dr Roberta Helinga** (Scientific Coordinator of the Elite Master Course in Theoretical and Mathematical Physics, Department of Physics, LMU, Munich, Germany).

Predavanja:

1) Introduction to bosonic string theory-The classical theory,
2) Introduction to bosonic string theory-Quantization,
3) Introduction to bosonic string theory-The critical dimension.

Seminar:

Long range effects of short distance modifications of space-time.

Abstract: Non-commutative geometry is based on the idea that space-time coordinates at very short distances might not commute realizing the idea of space-time foam due to an uncertainty relation. I will discuss how quantum effects, however, communicate this modification to macroscopic scales where it would be observational. Specificly, I will discuss long range modifications to Coulomb's law due to microscopic non-commutativity.

Seminar i predavanja će biti održana u periodu od **5-9. oktobra 2009**. godine, u **svečanoj sali Fakulteta**.