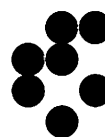


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=====03. April, 2014=====

Professor Dr. Andrea Scharnhorst
Chair of the Action
COST Action TD1210 KNOWeSCAPE
www.cost.eu

Host report

Short-Term-Science-Mission within TD1210 for MSc. Miroslav Andjelković

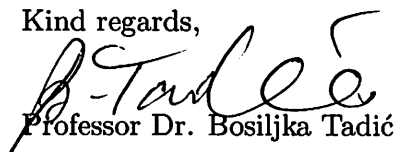
Dear Professor Scharnhorst,

From 21.March 2014 till 02.April 2014 we have hosted a research visit of Mr. Miroslav Andjelković, Ph.D. student at the Institute of sciences, Vinča, Belgrade. As already agreed, Mr. Andjelković's visit was a proposed collaboration within the short-term-scientific mission scheme of COST Action TD1210 **Analysing the dynamics of information and knowledge landscapes—KNOWeSCAPE**. Mr. Andjelković worked under my supervision at the Department of Theoretical Physics of the Jožef Stefan Institute.

Miroslav Andjelković arrived already well prepared for the planned work, enthusiastic to learn and take responsibility, what also motivated me to dedicate more time to supervise him with shared benefits. Under my tight supervision, he developed a number of programs in order to combine the output of simplex-analysis of graphs with in-depth topology structure of multilayered networks arising in techno-social communications. Having the appropriate software, we were then able to analyze an extended space of the node's features, which include simplexes in the node's environment up to a maximal clique to which the node participates. Employing this methodology in several prototypal networks, that I provided for this purpose, he computed a range of measures that can discriminate different layers of the network, as well as hierarchical structure of communities.

During his visit at the Jožef Stefan Institute, Miroslav Andjelković performed a high quality work, that entirely meets and even exceeds the proposed research plan, and will be extended in the future period. My impression is that, in addition to the accomplished research results, Mr. Andjelković gained a positive work experience by the research atmosphere at our Institute, that may impact his view of the science collaboration within the COST Action and beyond.

Kind regards,



Professor Dr. Bosiljka Tadić

Department of Theoretical Physics, Jožef Stefan Institute Ljubljana/Slovenia