

Open PHD position

PhD project title: **Personal multimedia exposure meter**

General description:

The development of modern multimedia content and communication networks including social networks introduced provider-active information filtering and notification to the end user. Despite clear benefits in terms of mitigating the problem of information overload, the active information providing may cause a new overflow of availability notifications. These could be destructive for end user personal time management and may reduce his effectiveness and make her feel at least uncomfortable.

The objective of this PhD is to establish an automated personal multimedia exposure meter while he is using various digital services. It will be achieved by 1.) establishing real user ambient data collection according to the design of the experiments, including relevant data sources and test user selection , 2.) developing simple multimedia personal exposure metrics, 3.) Designing and implementing pilot version of multimedia exposure meter, 4.) Evaluating the proposed personal multimedia exposure meter based on test user self-report.

The PhD research work will deal with physiological measurement of user response on multimedia exposure (social and bio signals), with related statistical and machine learning methods to model these responses, and with design and implementation of pilot version of multimedia exposure meter. Personalization aspects of user responses to multimedia exposure will be taken into account.

Requirements:

Prospective PhD students should have:

- a Master degree from a recognized university
- creativity and motivation
- basic knowledge in user modeling and machine learning will be a plus, although not essential.

Application procedure:

Prospective PhD students apply for the position by sending their CV to andrej.kosir@lucami.fe.uni-lj.si, by December 12, 2016. The position includes full employment for 3.5 years starting on January 1st, 2017.

Prospective PhD students must apply to a doctoral program at Faculty of Electrical Engineering (FE), University of Ljubljana, <http://www.fe.uni-lj.si/en/>. For the doctoral program on Electrical Engineering, application deadline is September 15th.

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