

## **Effective teaching and learning**

Effective teaching and learning is an area of teaching and learning that aspires to harnesses the technologies of affective computing and sentiment analysis in order to improve teaching and learning. The main rationale is to empower learners to express their sentiments on learning materials that are interacting with and through their sentiment to deduce if the material is effective. Through the answer to the classic question "what other people think?" we are able to assess the effectiveness as well as the sentiments that are generated. Having access to sentiments, following a decision, can be of extreme value as a feedback mechanism in various settings such as classrooms, social networks, Learning Management Systems.

Sentiment analysis has been widely used in areas such opinion mining in social networks, trying to identify/predict trends, resolve phemes either as true or lie and predict trends. However the use of such mechanisms in educational settings is rather novel but promising. For example, using Facebook, as a means to support the delivery of a module, has provided a plethora of comments/sentiments by the learners regarding the various tasks set by the lecturer. Likewise, enabling, through a mobile application, learners to comment live on lecture slides, through an Android application, has also revealed an enormous amount of information and emotions about the learning process.

Effective teaching aims to capture all these sentiments and harness them to affect the learning and teaching process. This special session solicits novel work in the areas of sentiments analysis, effective computing and learning analytics.

**Session Chairs:** Thanos Hatziapostolou, Iraklis Paraskakis

**Programme Committee:** (to be expanded)

Panos Bamidis, Aristotle University of Thessaloniki, Greece

Anastasios Economides, University of Macedonia, Greece (tbc)

Stylianos Hatzipanagos, Kings College, University of London

Alexander Mikroyannidis, The Open University, UK (tbc)

Petros Lameris, Serious Game Institute, UK

Thanos Hatziapostolou, The University of Sheffield International Faculty, CITY College, Greece

Iraklis Paraskakis, South East European Research Centre, The University of Sheffield International Faculty, CITY College, Greece

## **Important Dates:**

**15 Jul 2015** Submission of complete papers for special sessions and the main conference: Full Papers (5 pages), Short Papers (3 pages), Posters (2 pages)

**01 Sep 2015** Notification of acceptance

**15 Sep 2015** Author registration deadline

**15 Oct 2015** Camera-ready due

**19 Nov 2015** Conference Opening