

## **Special Session**

### **Immersive Technologies for Effective Learning (ITEL)**

The Special Session IMMERSIVE TECHNOLOGIES FOR EFFECTIVE LEARNING (ITEL) is part of the 9<sup>th</sup> International Conference on Interactive Mobile Communication Technologies and Learning, IMCL2015 held on 19-20 November 2015, in Thessaloniki, Greece.

The goal of **ITEL Special Session** is to get together educators and technical specialists in order to discuss opportunities given to pedagogy by modern immersive technologies. Multisensory (MULTiple SENSorial MEDIA) can give “new breath” to existing pedagogical approaches and methods. Immersive technologies enable to facilitate human communication and improve educational delivery and learning; they have the potential to make more efficient use of the human perceptual and cognitive capabilities, because the human brain has evolved in a multisensory environment. Therefore, the use of multisensory can make the interaction and learning more natural. Existing multimedia systems used in education address mostly only two senses by using two communication channels (visual and audio) of the five human senses (sight, hearing, taste, smell, and touch), limiting the potential efficiency. Thus, the mission of **ITEL Special Session** is to demonstrate to educators the technical opportunities given by modern immersive technologies. For this purpose the session will be also focused on technical components (3D displays, 3D sound systems, olfactory displays, haptic devices, interaction devices, head mounted devices, etc.) of modern immersive technologies in order to encourage new ideas of their use for new effective forms of learning, including adaptive learning, experiential learning, individualized learning, adventure learning, case studies, multimedia learning, simulation games and other.

**ITEL Special Session** will cover all aspects of the use of immersive technologies, in particular multisensory learning environments, virtual environments, augmented cognition technologies, and serious games for better learning and teaching.

Topics of interest of **ITEL Special Session** include, but are not limited to:

- Multisensory Learning Environments
- 3D Virtual Environments
- Multimedia Learning
- Augmented Cognition Technologies
- Immersive Technologies for Adaptive Learning
- Immersive Technologies for Experiential Learning
- Immersive Technologies for Adventure Learning
- Immersive Technologies for Individualized Learning
- Serious Games for Effective Learning
- Immersive Technologies for Disabled People
- Pedagogical Scenarios for Multisensory Learning Environments
- Pedagogical Approaches and Methods Based on Multisensory Use
- Future Trends in Immersive Technologies for Education
- Technical Reports on Multisensory and Immersive Technologies

## Important Dates

<b>24 June 2015</b>	Submission of complete papers for special sessions and the main conference: Full Papers (5 pages), Short Papers (3 pages), Posters (2 pages)
<b>15 July 2015</b>	Notification of acceptance
<b>15 September 2015</b>	Author registration deadline
<b>15 October 2015</b>	Camera-ready due
<b>19 November 2015</b>	IMCL2015 opening

## Program Committee

### Chairs

- Dr Yevgeniya Sulema, National Technical University of Ukraine "Kyiv Polytechnic Institute", [sulema@pzks.fpm.kpi.ua](mailto:sulema@pzks.fpm.kpi.ua)
- Dr Aristidis Protopsaltis, Institut für Lern-Innovation Friedrich-Alexander-Universität Erlangen-Nürnberg, [Aristidis.Protopsaltis@ili.fau.de](mailto:Aristidis.Protopsaltis@ili.fau.de)

### Members

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- Dr Niall Murray, Athlone Institute of Technology, [nmurray@research.ait.ie](mailto:nmurray@research.ait.ie)

## Submission

Please submit your paper in the respective special session titled IMMERSIVE TECHNOLOGIES FOR EFFECTIVE LEARNING at IMCL2015 conference web-site <http://imcl-conference.org/imcl2015/>

## Contribution Types

Proposals for participation in the **ITEL Special Session** can be submitted in the following formats:

- Full Papers – These include mainly accomplished research results and have 5 pages.
- Short Papers – These are mostly composed of work in progress reports or fresh developments and have 3 pages.
- Posters – These present a brief description of research methods and outcomes and have 2 pages.

All submissions will be peer-reviewed by at least two reviewers. All accepted papers will be included in the conference proceedings submitted to IEEE Xplore®, provided at least one author pays the registration fee before September 15<sup>th</sup> 2015.

## Contacts

For further questions, please contact Dr. Yevgeniya Sulema [sulema@pzks.fpm.kpi.ua](mailto:sulema@pzks.fpm.kpi.ua) and Dr Aristidis Protopsaltis [Aristidis.Protopsaltis@ili.fau.de](mailto:Aristidis.Protopsaltis@ili.fau.de) (Subject: ITEL / IMCL2015).

## More Information

Please visit the conference web-site for more information:

[http://www.imcl-conference.org/imcl2015/cfp\\_special-sessions.php](http://www.imcl-conference.org/imcl2015/cfp_special-sessions.php)