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# IEEE CBMS 2017

## 30th IEEE International Symposium on Computer-Based Medical Systems

June 22-24, 2017

Thessaloniki, Greece

### ST3 - Immersive Personalized Patient Engagement; Computer Based Medical Intervention Systems

#### Call for Papers

Computer based medical systems are quickly surpassing their initial role of infrastructural and decision support for the healthcare professional and rapidly become co-facilitators in personalized patient intervention. Immersive media and IT infrastructures are increasingly being deployed for motivating and engaging patients. Taking cues from the education and the entertainment domain, technology and techniques are utilized for surpassing psychological barriers and enabling patients to commit to their treatment. Ubiquitous computing solutions motivate and support them to maintain their health and well-being during both acute and chronic phases of their ordeal and achieve a better quality of life during and after the challenge of surpassing a disease. The “Immersive Personalized Patient Engagement; Computer Based Medical Intervention Systems.” special track focuses on the IT infrastructure and the experiential enabling technologies that support effective and impactful interventions for patient support and well-being. Its subject matter shall be covered in 3 sessions encompassing the following topics:

Session 1 - U-Health, mHealth and wearables for Patient motivation. Quantified-self approaches and anytime/anywhere computing for patient interventions and means. Methods and technologies to support patient commitment both to treatment and to an overall healthy lifestyle.

Session 2 - Virtual Scenarios for patient training. Inquiry based patient education and awareness episodes. Interactive storytelling that imparts to the patient experience, knowledges and skills to acclimate and educate him with various aspects of his condition.

Session 3 - Gamification and contemporary media for patient engagement. New media content and mixed reality methods for patient immersion and adherence to treatment. Serious games for supporting the patient.

Authors are invited to submit their original contributions before the deadline following the conference submission guidelines.

#### Paper submission guidelines

Please follow the general conference paper submission guidelines that can be found here:

<http://www.cbms2017.org/content/call-for-papers>

#### Important dates

Paper submission due (general and special tracks)	January 30, 2017
Notification of acceptance for papers	March 20, 2017
Final camera-ready paper due	April 13, 2017
Early registration deadline	April 23, 2017
IEEE CBMS 2017 conference days	June 22-24, 2017

#### Special Track Chairs

- Panagiotis Antoniou, Aristotle University of Thessaloniki, GR
- Daphne Economou, University of Westminster, UK
- Luis Fernandez-Luque, Qatar Computing Research Institute, QA