
Call for Papers IEEE CBMS 2011 - Deadline 20 April 2011

CBMS 2011 - Special Track on Technology Enhanced Learning in Medical Education

Recent advances in information and communication technologies (ICT) have acted as catalysts for significant developments in the sector of health care, affecting strongly medical diagnosis, patient and healthcare management and, of course, medical education. There is nowadays an international trend to involve computers and the Internet in medical curricula and in continuing life-long medical learning.

Currently, the enormous expansion in medical and biomedical knowledge poses a fundamental challenge in medical education. Can new educational approaches build on concepts of adult education, rely on situational and/or constructive learning and accommodate requirements involved in active, self-directed, student-centred, and experiential educational programs? How can information technology assist the learners in developing robust conceptual models that will eventually facilitate the transition towards expert, over-specialized knowledge, yet without losing sight of the "big picture"? Can information technology provide some added value for the development of individual strategies to effectively deal with the complexity and amount of medical knowledge?.

This special track aims to bring together researchers in the multi-disciplinary areas of Medical Education and technology enhanced learning, and to provide a forum for the presentation and discussion of their research activities. Academics, scientists, psychologists, clinicians, engineers, computer scientists and managers involved in medical education "as it is" or enhanced by ICT innovations, are encouraged to submit papers to this special track.

The organisers therefore welcome paper/poster submissions and delegates from the worldwide Medical and Computing community, particularly those involved in funded research projects in Medical Education and/or with teaching responsibilities in the sub-area of "Computer-based Medical Systems".

Authors are invited to submit their research contributions or practical experience reports. All papers will be peer reviewed by at least two referees. The track provides its attendees with an opportunity to experience state-of-the-art research and development in a variety of topics directly and indirectly related to their own work, as well as, an opportunity to come up-to-date on important technological issues involved in the enhancement of medical education.

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