Foreword
T4E 2013

The International Conference on Technology for Education provides a platform for researchers from academia and industry to discuss their work on the development of new technologies for education and pedagogical issues arising from the use of such technologies. These proceedings contain papers presented at the fifth International Conference on Technology for Education, T4E 2013, held at the Indian Institute of Technology (IIT), Kharagpur, India from 18-20 December 2013. This conference is fully sponsored by IEEE and IEEE Computer Society.

The conference themes include diverse topics such as development and assessment of new technologies to support education, studies comparing traditional, virtual and blended learning environments, and adaptive and personalized approaches for education. Studies on application of effective pedagogical methods in local Indian educational context were encouraged. In the semester before T4E 2013 paper submission deadline, members of the program committee conducted a workshop for engineering college instructors on research methods in educational technology. Some of these instructors went on to submit papers for T4E 2013. To further participation by such instructors, a mini-tutorial on this topic is included in these proceedings.

T4E 2013 received a total of 89 submissions from 8 countries. Papers were received from faculty, staff and students from various educational institutions, as well as industry professionals. Each paper was reviewed by at least two reviewers in a double-blind review process to maintain high quality. After the review process, 12 papers were selected as full papers, 18 as short papers, 11 as work-in-progress papers and 14 as poster papers. In addition, T4E 2013 had 3 keynotes and 2 workshops.

The first T4E was held as the International Workshop on Technology for Education (T4E 2009) in Bangalore in August 2009 with 65 participants from 9 countries. Since then, T4E has been held annually as the International Conference on Technology for Education. T4E 2010 was held at the Indian Institute of Technology Bombay, Mumbai, in July 2010, with 120 participants from 14 countries. T4E 2011 was at the Indian Institute of Technology Madras, Chennai, in July 2011, with 80 participants from 9 countries. T4E 2012 was at International Institute of Information Technology (IIIT), Hyderabad, in July 2012, with 141 submissions from 11 countries. The first two events, T4E 2009 and T4E 2010, were technically co-sponsored by the IEEE Computer Society, while T4E 2011 and T4E 2012 were fully sponsored by IEEE Computer Society.

We are grateful to the technical program committee members and reviewers for their work in reviewing and selecting these papers. We thank all authors who submitted papers, and all presenters of talks and posters. We also thank keynote speakers and workshop presenters whose presence made the conference especially productive. IIT-Kharagpur generously provided the necessary infrastructure for hosting this conference. Finally we thank all organizing committee members and volunteers for their hard work and support.

We hope to interact with you all again at next year’s T4E.

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T4E 2013 Editors