

Welcome to the Twelfth IEEE and ACM International Symposium on Mixed and Augmented Reality (ISMAR 2013).

We are thrilled that this year's symposium is being held in Oceania for the first time. The symposium is being held on the City East Campus of the University of South Australia. The Oceania region encompasses both Australia and New Zealand and hosts many top augmented and Mixed Reality research laboratories in the disciplines of: Computer Science, Engineering, HCI, Robotics & Computer Vision, and Digital Media.

Adelaide is the host city of ISMAR. While established as a British province, and very much English in terms of its culture, Adelaide attracted immigrants from other regions of Europe early on, including German and other European non-conformists escaping religious persecution. The first German Lutherans arrived in 1838 bringing with them the vine cuttings that they used to found the acclaimed wineries of the Barossa Valley. After the Second World War, British, Italian, Greek, Dutch, Polish and other European immigrants settled in Adelaide. The conclusion of the Vietnam War in 1975 saw an influx of Indo-Chinese immigrants to Adelaide.

This year's conference showcases the diversity and quality of work in Mixed and Augmented Reality, with a top quality collection of workshops, tutorials, panels, papers works-in-progress and posters in both the Science and Technology and Art, Media and Humanities programs. Many authors of these papers will showcase their work in the Demonstration program, joining work submitted directly to the Demonstration program with work from the sponsoring organizations.

We are enormously pleased to continue ISMAR's technical program to a single-track format, allowing attendees the opportunity to see all sessions, posters and demonstrations. We look forward to increased interaction between ISMAR's increasingly diverse attendees, and hope these increased opportunities for cross-disciplinary contact for the facilitation of new and exciting future collaborations.

New to the program this year is the inaugural ISMAR Works-In-Progress paper format. This new format provides practitioners and researchers a unique opportunity for sharing valuable ideas, eliciting useful feedback on early-stage work, and fostering discussions and collaborations among colleagues. The difference between Works-in-Progress and other contribution types (e.g. papers and posters) is that Work-in-Progress submissions represents work that has not reached a level of completion that would warrant the full refereed selection process. That said, appropriate submissions should make some contribution to the body of AR/MR knowledge, whether realized or promised. A significant benefit of a Work-in-Progress derives from the discussion between the author and conference attendees that will be fostered by the face-to-face presentation of the work.

Our two keynote speakers, Ivan Poupyrev and Jun Rekimoto, represent the diversity of disciplines in the ISMAR community. These speakers have rich and deep histories in both academic and industrial investigations into Mixed and Augmented Reality. Dr. Ivan Poupyrev directs an Interaction Technology group in Disney Research's Pittsburgh Lab, Walt Disney Imagineering, a unit of Walt Disney Company tasked with dreaming up and developing future technologies for Disney parks, resorts, and cruises.

Dr. Jun Rekimoto has a long history in Augmented Reality dating back to his development of CyberCode the first marker-based AR tracking technology. Currently a Professor at the Interfaculty Initiative in Information Studies, at the University of Tokyo, he is also the Deputy Director of the Sony Computer Science Laboratories, and co-founder of the AR company Kooyzt. His current research focus is on Augmented Humans, the next evolution of AR technology.

We would like to thank the Program Chairs, program committees and reviewers of the Sciences and Technologies and of the Arts, Media and Humanities track, whose work has resulted in a top quality research program. We also want to thank the everyone on the conference committee for their hard work. This year we made a concerted effort to have the entire program set in advance of the early registration deadline, allowing potential attendees to see the entire conference program in advance of this deadline. This required a commitment and dedication on the part of the whole committee, for which they deserve tremendous credit.

Finally, we would like to thank the faculty, staff and students at University of South Australia's School of Information Technology and Mathematical Sciences, Wearable Computer Lab, and the MagicVision Lab who provided ongoing support over the year it took to organize the conference.

We hope that you will all enjoy ISMAR 2013, Adelaide, and the South Australian environs!

Symposium General Chairs

Mark Billingham, The HIT Lab NZ, University of Canterbury

Bruce H. Thomas, School of Information Technology and Mathematical Sciences, University of South Australia