Welcome to the ISMAR 2015 Tracking Competition.

In the research fields of Augmented Reality (AR) and Mixed Reality (MR), tracking and geometric registration methods are still one of the most important topics. The tracking research field is highly active. Every year promising novel tracking methods are proposed at the ISMAR symposium.

As a fresh attempt to seek and create better tracking algorithms for Mixed and Augmented Reality applications, the ISMAR 2015 Tracking Competition aims to encourage not only experts but also beginners. This year we have formulated the competition in mind the following three points.

- Introduce a different competition style as beginners can participate easily
- Prepare a challenging scenario for past Tracking Competition participants
- Collaborate with TrakMark working group (WG)†1 to provide a fair comparison

The ISMAR 2015 Tracking Competition has two categories: on-site competition and off-site competition.

**On-site Competition Category**

The on-site competition is similar to the past ISMAR Tracking Competition. The task is tracking in an unknown area to identify certain elements based on given 3D coordinates. Participants are required to bring their own hardware and demonstrate their tracking approach on-site.

You can watch the on-site competition from September 30, 2015 to October 2, 2015.

**Off-site Competition Category**

The off-site competition is a newly introduced style in which participants will submit their tracking results of the challenges given in advance (before the ISMAR). It consists of a few scenarios and each scenario has three levels. The off-site competition is held with the assistance of Technical Committee on Pattern Recognition and Media Understanding (PRMU), The Institute of Electronics, Information and Communication Engineers (IEICE).

In order to summarize the competition, the Tracking Competition Wrap-up Meeting is scheduled on October 3, 2015, also.

We look forward to seeing everyone at the ISMAR 2015 Tracking Competition.

†1 TrakMark WG was established 2009 as a lower branch of the Special Interest Group on Mixed Reality (SIG-MR), the Virtual Reality Society of Japan (VRSJ). The TrakMark WG aims to create a benchmark test that permits objective and accurate evaluation of the tracking methods.