Objective:

The 11th IEEE International Conference on Awareness Science and Technology (iCAST 2020) is a major international conference to bring together researchers, engineers, and scientists from academia and industry working in awareness science and its applications, for discussion, exchanging ideas, opinions, and most importantly to present their works and latest results.

Special sessions on various subjects related to artificial intelligence, soft-computing, intelligent systems, perception, cognitive science, psychology, data analysis, IoT are welcome. Individual submissions in the following area are invited.

Topic include but not limited to the following:

**Awareness Science:**
- Awareness mechanism and modeling; Machine learning / deep learning; Pattern recognition and image understanding; Agent computing / ontology / semantics; Neurocomputing / perception / cognition; Fuzzy logic / granular computing / rough set.

**Awareness Technology:**
- Context / situation / background / semantics awareness; Chance / opportunity awareness; Intention / emotion / preference awareness; Location / position / goal awareness; Power / energy / heapability / resource awareness; Weakness / risk / danger awareness; Safety / security / privacy / trust awarenes; Knowledge / tacit knowledge engineering.

**Awareness Related Applications:**
- Social network; Data / web / text mining, Perception / processing of image / video / speech signal; Virtual and augmented reality; intelligent transportation system; Patient-aware health care system; IoT, E-business / e-government / e-learning; Smart city / grid; Intelligent control; Intelligent robot.

**Call for Special Session:**

Proposals to organize Special Session are welcome. Please contact Special Session Chair.

**Venue:**

Academic Exchange Center, 8 Hongdao Road, Qingdao, Shandong, China

**Paper Submission Procedure:**

Electronic version of full paper (IEEE format, A4 six-page standard include figures and tables) complete with authors’ affiliations should be submitted through official site.

All accepted papers will be sent to IEEE Xplore digital library. Selected papers will be recommended for post-conference publication in some Science Citation Index Expanded, Ei, or Scopus journals.

**Important Dates:**

- **Sept. 30, 2020:** Deadline of Special Session (SS) proposal
- **Oct. 10, 2020:** Notification of Acceptance of SS proposal
- **Sept. 30, 2020:** Deadline of paper submission (both general track and SS)
- **Oct. 10, 2020:** Notification of paper acceptance
- **Oct. 30, 2020:** Submission of final camera-ready papers
- **Oct. 25, 2020:** Deadline for author registration