

The 5th International Conference on Awareness Science and Technology (iCAST 2013)



Nov. 2-4, 2013, Aizuwakamatsu, Japan, <http://www.u-aizu.ac.jp/conference/conf2013/icast13/>
in conjunction with 6th International Conference on Ubi-Media Computing (UMEDIA2013)

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Conference Administration

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Contact information

Inquiries about paper status and program, please contact us at icast13pcs@gmail.com
Inquiries about registration, local information and services, please contact us at awaremedia13org@gmail.com
Inquiries about workshop and special session, please contact us at icastmedia13scs@gmail.com

Conference Venue: The University of Aizu, Aizu-Wakamatsu, Japan (This event will be held along with the 20th anniversary of the University of Aizu as it was firstly established in 1993.)

Sponsor: IEEE SMCS Japan Chapter

Technical Co-Sponsors: IEEE CI Society and IEEE SMC Society

Additional Support is Provided by (Pending): IEEE SMCS Technical Committee on Awareness Computing, IEEE CIS Task Force on Aware Computing, IEEE CIS Task Force on Brain Informatics, IEEE Sendai Section, IEEE Tainan Section, Computer Society of India, and Taiwanese Association for Consumer Electronics.

Scope: "Awareness" is the ability to be conscious of, feel, or perceive (Wikipedia). This implies vigilance in observation and alertness in drawing inferences from what one experiences (Merriam-Webster). The ultimate goal of awareness computing is to create computing systems that are themselves aware. This conference has been evolved from the International Workshop on Aware Computing (IWAC2009), the International Symposium on Aware Computing (ISAC2010), the International Conference on Awareness Science and Technology (iCAST2011) in Dalian, and iCAST2012 in Seoul, Korea. The conference provides a forum for researchers, engineers, and scientists for discussing awareness computing and exchanging ideas, opinions, and the latest results in this emerging new field. Topics of interest include, but are not limited to, the following:

A: Awareness Science:

- A1: Awareness mechanism and modeling
- A2: Machine learning and knowledge management
- A3: Pattern recognition and image understanding
- A4: Neuro-computing/perception/cognition
- A5: Fuzzy logic/granular computing/rough set
- A6: Agent computing/swarm intelligence
- A7: Awareness ontology and semantics

B: Awareness Technology:

- B1: Context/situation/background/semantics awareness
- B2: Intention/emotion/preference awareness
- B3: Location/position/goal awareness
- B4: Power/energy/capability/resource awareness
- B5: Weakness/risk/danger awareness
- B6: Safety/security/privacy/trust awareness
- B7: Chance/opportunity awareness

C: Awareness Related Applications:

- C1: Tele-communication/ubiquitous computing
- C2: Image/video/speech/signal processing
- C3: Overlay/P2P networking
- C4: Data/web/text mining
- C5: E-business/e-government/e-learning
- C6: Health/child/elderly care
- C7: Smart grid/transportation/public services
- C8: Device and automatic control
- C9: Cloud computing/internet of things
- C10: Cognitive radio

Important dates

- May 1, 2013: Deadline for special session proposal
- May 7, 2013: Notification of special session acceptance
- **June 15, 2013 (new):** Deadline for paper submission
- **July 25, 2013 (new):** Notification of paper acceptance
- **September 5, 2013 (new):** Submission of final camera-ready papers
- September 5, 2013: Early-bird registration

Paper Submission and Publication

Paper needs to be submitted in IEEE two-column format. Manuscript should be unpublished work, must include enough detail about the goal, the problem to solve, proposed methods and main results. Length of the final camera-ready paper should be 6 pages. A maximum of additional two pages will be allowed with extra payment. Conference content will be submitted for inclusion into IEEE Xplore as well as other Abstracting and Indexing (A&I) databases. Selected papers from the conference will be further considered for publication in international journals.