New ACM Journal (Expected 2010)

Call for Papers

ACM Transactions on Intelligent Systems and Technology (ACM TIST)

ACM TIST is a new scholarly journal that publishes the highest quality papers on intelligent systems, applicable algorithms and technology with a multi-disciplinary perspective. An intelligent system is one that uses artificial intelligence (AI) techniques to offer important services (e.g., as a component of a larger system) to allow integrated systems to perceive, reason, learn, and act intelligently in the real world.

The journal welcomes articles that report on the integration of artificial intelligence technology with various subareas of computer science as well as with other branches of sciences and engineering. The journal welcomes innovative, high-impact articles on emerging or deployed intelligent systems and technology with solid evaluation or evidence of success on a variety of topics. An emerging intelligent system is one that is evaluated on benchmark data and has the potential to become deployed in the future, whereas a deployed system should demonstrate useful case studies and application experiences. Topics include, but are not limited to:

- intelligent information and multimedia systems
- intelligent robotic systems
- intelligent tutoring and educational systems
- knowledge engineering, modeling and capture systems
- knowledge based software engineering
- machine learning applications
- online commerce, games, information search and advertising systems
- planning and scheduling systems
- social intelligence systems
- intelligent systems integrated with speech and language understanding components
- user behavior modeling and learning, intelligent user interfaces

The journal also welcomes articles on multidisciplinary systems such as brain sciences, social intelligence, and integration of intelligent systems with business, science and engineering applications.

The international Editorial Board is composed of recognized experts in the various subareas of this field, all with a commitment to maintain ACM TIST as the premier publication in this important field. Papers should be submitted electronically to ACM TIST at http://mc.manuscriptcentral.com/tist. Published papers will be available through the ACM digital library. ACM will allow open access to meta data, including paper abstracts. In accordance with the ACM Copyright Policy, authors can post their accepted papers on their personal Web sites or those of their employer for open access.

For additional information about publication schedule and submission procedure, contact Professor Qiang Yang at Hong Kong University of Science and Technology (qyang@ece.ust.hk). The first issue will be launched before the fall of 2010.