

Sandip Sen: Previous Service Record and Statement of Interest

Sandip Sen is a Professor of Computer Science at the University of Tulsa, USA with primary research interests in multiagent systems, machine learning, and genetic algorithms. He completed his PhD in the area of intelligent, distributed scheduling from the University of Michigan in December, 1993. He has authored about 200 papers in workshops, conferences, and journals in several areas of artificial intelligence. In 1997 he received the prestigious CAREER award given to outstanding young faculty by the National Science Foundation.

Sandip's research interest in agents and multiagent systems spans both formal and empirical aspects and ranges from conceptual topics to applied systems. He has published 34 full and short papers in the AAMAS conference series. Sandip believes that intelligent information agents will represent their users interest in electronic marketplaces and other forums to trade, exchange, share, identify, and locate goods and services. Such information worlds will present unforeseen opportunities as well as challenges that can be best addressed by robust, self-sustaining agent communities. An agent community is a stable, adaptive group of self-interested agents that share common resources and must coordinate their efforts to effectively develop, utilize and nurture group resources and organization. More specifically, agents will need mechanisms to benefit from complementary expertise in the group, pool together resources to meet new demands and exploit transient opportunities, negotiate fair settlements, develop norms to facilitate coordination, exchange help and transfer knowledge between peers, secure the community against intruders, and learn to collaborate effectively. Sandip and his research group has focused on developing and evaluating techniques and mechanisms in trust-based computing, negotiation, and learning that will enable intelligent agents to develop and sustain robust, adaptive, and successful agent communities.

Sandip has served on the program committees of most major national and international conferences in the field of intelligent agents including AAMAS, ICMAS, AA, AAI, IJCAI, ICGA, etc. He was the Program Co-chair of AGENTS-01. He is currently serving as one of the General Chairs of AAMAS-2010. He has served as Student Scholarship Chairs for ICMAS-2000, AAMAS 2006 and 2007, as Doctoral Mentoring Chair for AAMAS-2003, as the chair of the Victor Lesser Distinguished Dissertation Award Committee for AAMAS'08 and as Finance Chair for AAMAS-2005.

Sandip regularly reviews papers for major AI journals and serves on the panels of international funding agencies for evaluating agent systems related projects. He serves on the editorial board of the Autonomous Agents and Multiagent Systems and the Knowledge Engineering Review journal. Sandip has chaired multiple workshops and symposia and has presented several tutorials on multiagent systems in association with the leading international conferences on autonomous agents and multiagent systems.

Sandip believes that diverse viewpoints and approaches should be respected and championed to foster and sustain a vibrant community of researchers in agents and multiagent systems. He believes that overt emphasis on either theoretical or empirical work will lead to stagnation and ultimate demise of the field into irrelevance. Accordingly, explicit care should be taken to ensure that papers, candidates for awards, etc. are evaluated without bias. Sandip would also like to promote collaboration of AAMAS with other related conferences. He would like to support outreach activities for training and supporting researchers from underrepresented regions. In particular, Sandip is keen on supporting student participation in the AAMAS conference series.