

Timothy J. Norman

Relevant Previous Work and Arguments for Candidacy to the IFAAMAS Board

Tim Norman is a Professor in the Department of Computing Science at the University of Aberdeen, where he leads the Intelligent Agents research group and is Head of Computing Science (Research). He received a bachelor in Engineering from the University of Wales, Swansea, and a PhD in computer science from the University of London (University College). He subsequently worked at Queen Mary, University of London as a postdoctoral research assistant before joining the University of Aberdeen as a lecturer in 1999. He has been conducting research in the field of Autonomous Agents and Multi-Agent systems since his first significant paper was published in the proceedings of the first workshop on Agent Theories, Architectures and Languages at ECAI in 1994.

His research has contributed to both the theory and application of agent technologies principally in the areas of norms, virtual organizations, trust and delegation, and argumentation. In the last few years this research has extended to include agent technology for the support of human teams in joint planning, dialogue and norm/policy conflict detection and resolution. Within this research field he has published over 100 peer-reviewed articles in journals, conferences and books including Artificial Intelligence, Autonomous Agents and Multi-Agent Systems, Computational Intelligence, and the AAMAS, IJCAI and ECAI conferences.

Prof Norman leads the Aberdeen research team working in the International Technology Alliance, a unique UK-US joint funded research initiative focused on research into systems and networks to support coalitions. Research includes agent technology to support teamwork, and for the management of sensor networks. Key US collaborators include CMU (Katia Sycara) and CUNY (Simon Parsons). He also leads agent technology research in the Aberdeen £12.4M Research Councils UK dot.rural Digital Economy Research Hub focused on the development of innovative technologies for the development of rural economies in healthcare, transport, natural resources, culture and business.

He has served on the Programme Committee or Senior Programme Committee on AAMAS conferences since they were established in 2002, and, earlier, Agents 2001, as well as workshops including ArgMAS and COIN. He has also served on the programme committee of the conferences on Computational Models of Argumentation (COMMA) since they were established in 2006. Within Europe, he is a member of the norms working group of the Agreement Technologies COST Action (IC0801), and within Scotland he is a member of the research committee of the Scottish Informatics and Computer Science Alliance. He has both acted as a consultant for companies in Scotland and in the UK interested in utilizing research from the agents community, and has received funding for research from companies including BT and IBM.

Tim is an active researcher in the agents field, and contributes both to research within the community and the promotion of the community's research outside.