

Takayuki Ito

Nomination for the IFAAMAS BOARD (2018)

Short bio:

Takayuki Ito is Professor and Chair of the Department of Computer Science at Nagoya Institute of Technology, where he has been since 2003. He is the Head of the International Collaborative Symposium for Informatics and the founder of the NITech Research Center for Artificial Intelligence. He received his B.E., M.E, and Ph.D. degrees from Nagoya Institute of Technology in 1995, 1997, and 2000, respectively. From 1999 to 2001, he was a research fellow of the Japan Society for the Promotion of Science (JSPS). From 2000 to 2001, he was a visiting researcher at University of Southern California/Information Sciences Institute (USC/ISI). From April 2001 to March 2003, he held the position of Associate Professor at Japan Advanced Institute of Science and Technology (JAIST). From 2005 to 2006, he was a visiting researcher at the Division of Engineering and Applied Science, Harvard University. Also, he was a visiting researcher at at the Center for Collective Intelligence, MIT Sloan School of Management, from 2008 to 2010. Professor Takayuki Ito received several awards including: the 2016 JSAI (Japanese Society for Artificial Intelligence) Achievement Award, the 2014 JSPS Prize, the 2014 JSSST (Japan Society for Software Science and Technology) Fundamental Research Award, the 2013 Prize for Science and Technology (Research Category), The Commendation for Science and Technology by the Minister of Education, Culture, Sports, Science, and Technology, the 2007 Young Scientists' Prize, The Commendation for Science and Technology by the Minister of Education, Culture, Sports, Science, and Technology, the 2007 Nagao Special Research Award of the IPSJ (Information Processing Society of Japan), **the Best Paper Award of AAMAS2006**, the 2005 Best Paper Award of Journal of Japan Society for Software Science and Technology, the Best Paper Award in the 66th national convention of IPSJ, and the 2004 Super Creator Award of Information-technology Promotion Agency (IPA) Exploratory Software Creation Projects. Professor Takayuki Ito was a principal investigator of the Japan Cabinet Funding Program for Next Generation World-Leading Researchers (NEXT Program). In addition, he is the recipient of several competitive research grants including the JST PREST (Super Challenge Type) research grant, and the JST CREST research grant.

IFAAMAS and its related community services:

Professor Takayuki Ito served as a board member of IFAAMAS from 2010-2016 (now an emeritus board member). In addition, he served as a Program-chair of AAMAS2013 and PRIMA2009; and a General-Chair of PRIMA2014, IEEE ICA2016 and PAAMS2016. Moreover, he has served as an SPC/PC member in many top-level conferences including (IJCAI, AAMAS, ECAI, AAAI, etc. Currently, he is the Local Arrangements Chair of IJCAI2020. Professor Takayuki Ito is the founder of the international workshop on Agent-based Complex Automated Negotiations (ACAN) which is one of the longest-run workshops in AAMAS history. This workshop, i.e., ACAN, started from 2006 (as RRS2006) and is being held annually. The 11st international workshop, i.e., ACAN2018, is going to be held this year. Additionally, he is the organizer of the Automated Negotiating Agents Competition (ANAC). These two events, i.e., ACAN and ANAC, have contributed greatly to the advancement of the research and development in automated negotiation agents. Moreover, he is the founder of the IEEE International Conference on Agents (IEEE-ICA) which is the outcome of the integration of the IAT conference and the iJAWS conference.

Short statement:

If elected, Professor Takayuki Ito plans to pursue the following three goals:

- (1) Strengthen AAMAS community: Towards this end, Professor Takayuki Ito plans to put emphasis on the strengthening of multiagent technology on both its “real-world aspect” and “theoretical aspect”. These two aspects are certainly of great importance for the practical and scientific reputation of “AAMAS” community. Firstly, in order to strengthen the “real-world aspect” of multiagent technology, he plans to explore and identify the possibilities to encourage the adoption of multiagent technology in real-world applications, in particular, in businesses, industries, and governments. In fact, the multiagent technology linkages to such real-world entities are very important and should be furthered in AAMAS community. Secondly, since the theoretical side of multiagent technology shares the same roots with other academic fields such as Economics, he plans to explore and identify the possibilities to thoroughly study the origin of the fundamental theories in multiagent research.
- (2) Strengthen young researchers: Toward this end, Professor Takayuki Ito plans to empower the educational functions in AAMAS community. In fact, it has become of great importance to encourage the education of multiagent technologies in underrepresented regions. In this regard, he plans to propose a group of systematic approaches in order to provide tutorials, mentoring programs, and also workshops for students and young researchers in such underrepresented regions.
- (3) Strengthen the Asian agent communities: Towards this end, Professor Takayuki Ito plans to provide further help and support to the small agent communities in different Asian countries. Since, he has founded the IEEE ICA conference series in order to encourage the discussion of multiagent technologies in the Asian region, he plans to further establish other joint activities in order to promote multiagent technology amongst the Asia-based agent communities. In fact, he believes that providing further support for the Asian region leads to the strengthening of the AAMAS community as a whole.