Conference Venue: **Tsinghua University, Beijing, China**
Conference Date: **July 6-9, 2017**
Conference Website: http://www.itolab.nitech.ac.jp/ICA2017/
Submission link: https://easychair.org/conferences/?conf=ica2017

Scope and Background:

Intelligent agents are software entities which can carry out some actions on behalf of clients with some degree of autonomy. Through sensing the status of environment, agents perform some operations based on some possessed knowledge in order to change or influence the environment towards their goals. A Multi-Agent System (MAS) is a group or society of agents, and agents interact with others in the group cooperatively and/or competitively in order to reach their individual or common goals. In general, agents possess five common properties which are autonomy (some level of self-control), adaptivity (the ability to learn and improve performance with experience), reactivity (the ability to perceive the environment and to respond in a timely fashion to changes that occur), proactivity (the ability not only to act simply in response to their environment but also to exhibit goal-directed behaviour by taking the initiative) and sociability (the ability to interact, communicate and work with other agents). Research on agent techniques and MASs mainly focus on improving existing or invent innovative frameworks, models, mechanisms, approaches and algorithms to improve agents effectiveness and efficiency in those five aspects for advanced autonomous problem solving abilities in complex environments.

Topics:

We envision a future society where computational agents and humans (physical agents) are living, working and snuggling with each other. Harmonious collaboration among computational agents and humans are of importance in the next-generation society. ICA2017 will call for papers related to the following topics are not limited to:
- Decision making techniques
- Multi-agent communication and interaction protocols
- Negotiation and argumentation
- Game theory and auctions
- Social computing
- Cooperation, collaboration and coordination mechanisms
- Self-organization and self-adaptation
- Computational reasoning
- Machine learning
- Complex systems and system dynamics
- Collective intelligence
- Programming languages
- Internet of things, agents, and people
- Systems designs, development and implementation
- Human and multi-agent systems interaction
- Social science, humanities, ethical, legal, and social issues
- Future visions and grand challenges

Publication and Submission:

All accepted papers in the regular oral presentation/ poster will appear in the Conference Proceedings to be published by CPS. They will be indexed by EI, SCOPUS, INSPEC, DBLP and ISI. Selected papers will be invited for expansion and publication in a special issue of Journal of Journal of Systems Science and Systems Engineering, and other international Journals.

All submissions need to fulfil the requirements from CPS (http://www.computer.org/web/cs-cps/). We require submission in the IEEE Conference Proceedings format

(https://www.ieee.org/conferences_events/conferences/publishing/templates.html). The format of the final manuscript should be no more than 6 pages (including references) for regular papers and 2 pages for poster papers in length. Submission is entirely automated by a paper management tool, which is available from the main web site: https://easychair.org/conferences/?conf=ica2017. Authors must first register their own account, and then follow the instructions.

All accepted papers will be provided an oral presentation and/or a poster. Each paper will be reviewed by at least three PC members or experts in the field. Multiple submission policy is applied for papers. Papers that are being submitted to other conferences, whether verbatim or in essence must reflect this fact on the title page. Papers that do not meet this requirement are subject to rejection without the review.

Important Dates:
- Deadline for paper submission: ~~April 1, 2017~~ → April 25, 2017
- Acceptance notification: ~~May 1, 2017~~ → May 15, 2017
- Submission deadline for camera-ready: ~~May 15, 2017~~ --> May 22, 2017
- Deadline for early-bird registration: ~~May 15, 2017~~ --> May 22, 2017
- ICA2017 conference: July 6-9, 2017:

No-show policy:
The paper may be excluded from IEEE Xplore and the CSDL if the presentation is not made at the conference. Also, no-show papers are not recommended in the post-conference publications.

Organization:
Steering Committees:
Prof. Chengqi Zhang, University of Technology, Sydney, Australia
Dr. Yves Demazeau, Centre National de la Recherche Scientifique, France
Prof. Takayuki Ito, Nagoya Institute of Technology, Japan
Prof. Minjie Zhang, University of Wollongong, Australia
Prof. Jiming Liu, Hong Kong Baptist University, China
Prof. Chunyan Miao, Nanyang Technological University, Singapore
Prof. Catholijn Jonker, TU Delft, Netherlands

General Co-Chairs:
Prof. Bo An, Nanyang Technological University, Singapore
Prof. Yang Gao, Nanjing University, China

Program Co-Chairs:
Prof. Tokuro Matsuo, AIIT, Japan
Dr. Quan Bai, Auckland University of Technology, New Zealand

Local Organisation Chair:
Prof. Chao Yu, Dalian University of Technology, China

Workshop Co-Chairs:
Prof Yichuan Jiang, Southeast University, China
Prof. Tsuyoshi Nagae, Tohoku University, Japan

Publication Chair:
Prof. Shigeo Matsubara, Kyoto University, Japan

Publicity Chair
Prof. Katsuhide Fujita, Tokyo University of Agriculture and Technology
Dr. Fenghui Ren, University of Wollongong, Australia

Website Chair:
Dr. Takanobu Otsuka, Nagoya Institute of Technology, Japan