

SCG Annual Report 2016

February: Undergraduate students Takatoshi Motoyama and Mitsunori Wate successfully defended their theses. Takatoshi built experiment of 2 UAVs achieving consensus on height of hovering, and he continued as a Master student in the group. Mitsunori built experiment of 3 Lego mobile robots path planning, and he went to work in Hankyu Railway Co.

April: Takatoshi Motoyama and Naoki Nampei joined the group as Master students, while Satoshi Kawamura, Yuta Tatsumoto, and Takanobu Imae joined as 4th year undergraduates.

May: Kai visited Prof. Zhiyun Lin at Zhejiang University, and gave a talk on "Eigenstructure Assignment based Multi-Agent Formation Control".

Kai continued the trip to Xi'an, the old capital of China, to attend the International Workshop on Discrete-Event Systems. There he presented the paper "A new algorithm for computing the supremal relatively observable sublanguage", as well as chaired the session.



July: Kai attended American Control Conference in Boston, shortly after the Independence Day. He presented the paper "On supervisor localization based distributed control of discrete-event systems under partial observation", as well as chaired the session.



September: Kai visited Prof. W.M. Wonham in University of Toronto. The visit is dedicated to the writing of a new co-authored book "Supervisory Control of Discrete-Event Systems".

Also starting this month, Kai serves as an Associated Editor at the IEEE CSS Conference Editorial Board.

Yingying Liu joined our group as a visiting student from Xidian University. She will be with us for one year.

October: Kai was invited to give a talk at the International Symposium on Information Oriented Control, dedicated to the 60th anniversary of Hangdian University, Hangzhou. He gave the talk “Eigenstructure Assignment based Multi-Agent Formation Control”.

After the event, Kai visited Prof. Zhiyun Lin at Zhejiang University, continuing their collaboration on several ongoing projects.

November: Takatoshi Motoyama attended the 59th ISCIE meeting, Kitakyushu, and presented the paper "Hierarchical formation control of multi-agent system by eigenstructure assignment". This is Takatoshi's 2nd appearance in domestic conference.

Also in this month, Kai had his tenure-track examination, where he presented his past work and visions on future work. The official result is pending, but looks positive which will mean that he will get his tenured position in 2017.

December: Kai gave a talk on “Control and AI” at the annual seminar of the tenure track program.



Then he attended the IEEE Conference on Control and Decisions in Las Vegas. There he presented the paper "Supervisor localization of timed discrete-event systems under partial observation", and chaired the session. He also attended the IEEE Technical Committee meeting, where he serves as a co-chair.

