

超分散知能システム研究部門講演会

Do Computer Network Systems Dream of Biological Systems?

■ 演者：Jun Suzuki 先生



Department of Computer Science
University of Massachusetts, Boston



■ 日時：7月6日（水）16:30～18:00

（研究ディスカッション：15:00～16:20）

■ 場所：講義棟K506

Computing and biology have a synergistic relationship for a long time. Currently, there exist three major research directions in the synergy: (1) computing inspired by biology, (2) synthesis of biological systems by means of computing and (3) computing with biological materials. This talk will summarize these three directions and describe some research efforts in (1) and (3). For (1), this talk will cover swarming mobile agents to operate wireless sensor networks, artificial immune systems for cloud computing environments and evolutionary multi-objective optimization algorithms for combinatorial problems. For (3), this talk will introduce an emerging communication research area, molecular communication, which intends to utilize natural molecules for networking nanoscale devices in intrabody environments.

学生を含め、どなたでもご参加頂けます。

主催：総合研究院 超分散知能システム研究部門

世話人：工学部情報科学科 滝本 宗宏

E-mail: mune@is.noda.tus.ac.jp