

CMMA Monthly Seminar

第17回 CMMA 月例セミナー

講師：Tomohiko YAMAGUCHI

(明治大学 / 教授)

Abstract :

Self-organization is a process through which the order in a system increases without any external control of human beings. Since self-organization is typically observed in living systems, it has been drawing the attention of many researchers. However, the meaning of this term differed among disciplines until the very end of the last century when the tacit knowledge of self-organization was disclosed from the viewpoint of thermodynamics.

In my talk I will briefly overview a historical background of self-organization, and will introduce biomimetic chemical systems (the BZ reaction in laboratory experiments and the Gray-Scott model in silico) whose dynamics are well described by PDEs. My talk will be closed by referring to how to extract a quantity of time evolution in terms of organizations and collapses in autonomous open systems.

“Self-Organization and
Biomimetic Systems”

日時：2017年6月20日(火) 16:30-17:30

場所：明治大学 中野キャンパス高層棟6階 研究セミナー室3

主催：

文部科学省 共同利用・共同研究拠点
明治大学先端数理科学インスティテュート
現象数理学研究拠点 (CMMA)



■連絡先

東京都中野区中野 4-21-1 明治大学中野キャンパス8階
明治大学先端数理科学インスティテュート
Tel. 03-5343-8067 E-mail: mims@mics.meiji.ac.jp