全国共同利用・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)

MIMS/CMMA Seminar on Self–Organization

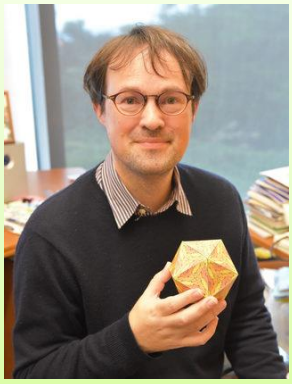
第23回 自己組織化セミナー

2018年2月10日（土） 16:00～17:00

明治大学中野キャンパス 6階 研究セミナー室

Viral Dark Matter: Mathematical Aspects

Robert Sinclair (OIST)



Abstract

Emerging viruses, such as SARS or MERS, can appear to come from “nowhere”. Our failure to see them coming can be due to a lack of data, or it can be due to an inability to decipher data. “Viral Dark Matter” refers to viral data, usually sequence data, which cannot be analysed using any standard method. As more data becomes available, it becomes clearer that we lack effective methods of analysis. In this seminar, I will present one mathematical approach to this problem, which allows us to discard 25% of raw data and focus on the remainder. The approach is based upon discrete mathematics, and, in order that it can be useful, makes use of ideas usually associated with mathematical logic. I hope to convince all those present that mathematics can contribute significantly to this important data analysis problem, and that the claim, that big data implies the end of theory, is incorrect. As more data becomes available, I believe the need for rigorous mathematics will increase!

参加自由です。皆様のお越しをお待ちしております。

・中野キャンパスへのアクセス

JR中央線快速・総武線、東京メトロ東西線／中野駅 下車 北口より徒歩約8分

詳しくは、http://www.meiji.ac.jp/koho/campus_guide/nakano/access.html

世話人：末松 J. 信彦、山口智彦

組織委員：池田幸太、上山大信（武蔵野大学）、小川知之、小田切健太（専修大学）、三村昌泰（武蔵野大学/MIMS）

連絡先：suematsu@meiji.ac.jp