

スーパーグローバルコース数学特別講演

# Combinatorial structures for distributed computing models



**Petr Kuznetsov**

Telecom ParisTech

Venue: 127 Conference Room, Faculty of Science Bldg #3, Kyoto University

The main complication in the analysis of distributed systems is the immense diversity of distributed computing models, combined with the lack of mathematical tools to handle this complexity.

In this mini-course, we begin with a gentle introduction into the basics of distributed computing and then discuss how to characterize the computability power of a large class of models via properties of the corresponding simplicial complexes, combinatorial structures capturing representative sets of model executions.



京都大学スーパーグローバル大学創成支援事業数学系ユニット  
<https://ktgu.math.kyoto-u.ac.jp/>

