

Tokyo-Lyon Conference in Mathematics

February 19 – 20, 2018

Lecture Hall

Graduate School of Mathematical Sciences, the University of Tokyo

<http://faculty.ms.u-tokyo.ac.jp/~topology/Tokyo-Lyon2018.html>

Program

February 19 (Monday)

9:25 – 9:30 Opening remarks

9:30 – 10:30 Sanjay Ramassamy (ENS de Lyon)
Miquel dynamics for circle patterns

11:00 – 12:00 Denis Serre (ENS de Lyon)
Divergence-free positive tensors ; applications to gas dynamics.

14:00 – 15:00 Takahito Kashiwabara (The University of Tokyo)
Semigroup approach and maximal-regularity theory for the primitive equations

15:20 – 16:20 Shigeki Aida (The University of Tokyo)
Asymptotics of spectral gaps on infinite dimensional spaces

16:30 – 17:30 Marco Mazzucchelli (ENS de Lyon)
Periodic orbits of Tonelli Hamiltonian systems on surfaces

Banquet

18:00 – 20:00 Komaba Faculty House

February 20 (Tuesday)

9:30 – 10:30 Hideko Sekiguchi (The University of Tokyo)
Representations of semisimple Lie groups and Penrose transform

11:00 – 12:00 Valentin Seigneur (ENS de Lyon)
Extending Morse functions from a neighborhood of the sphere to the ball

14:00 – 15:00 Oleksii Leontiev (The University of Tokyo)
Symmetry breaking operators for the restriction of representations of indefinite orthogonal groups $O(p, q)$

15:20 – 16:20 Takeshi Tsuji (The University of Tokyo)
Recent progress in integral p -adic Hodge theory

16:30 – 17:30 Laurent Berger (ENS de Lyon)
The Nottingham group