



# 共同研究「作用素環論の最近の進展」

## Recent Developments in Operator Algebras

<http://www.kurims.kyoto-u.ac.jp/~narutaka/2019sep.html>

京都大学数理解析研究所 111号室 Room 111 at RIMS, Kyoto University

2019年9月04日~06日 04-06 September 2019

研究代表者: 小沢登高

Organizer: Narutaka OZAWA

9月04日(水)

Wednesday, 04.09

13:30~14:30 窪田陽介 (理研) Yosuke Kubota (Riken)

Almost flat vector bundles on manifolds with boundary

14:45~15:45 山下真由子 (数研) Mayuko Yamashita (RIMS)

Adiabatic-type deformations of Lie groupoids and applications

16:00~17:00 戸松玲治 (北大) Reiji Tomatsu (Hokkaido)

Centrally free actions of amenable  $C^*$ -tensor categories on von Neumann algebras

9月05日(木)

Thursday, 05.09

09:45~10:45 松井宏樹 (千葉) Hiroki Matui (Chiba)

On the homology groups of totally disconnected étale groupoids

11:00~12:00 曾我部太郎 (京大) Taro Sogabe (Kyoto)

The homotopy groups of the automorphism groups of Cuntz-Toeplitz algebras

13:30~14:30 渚勝 (千葉) Masaru Nagisa (Chiba)

作用素の不等式と作用素ノルム不等式

14:45~15:45 吉田啓佑 (北大) Keisuke Yoshida (Hokkaido)

KMS states on operator algebras associated with self-similar group actions

16:00~17:00 澤田友佑 (名古屋) Yusuke Sawada (Nagoya)

$E_0$ -semigroups, dilations and product systems of  $W^*$ -bimodules

9月06日(金)

Friday, 06.09

09:45~10:45 磯野優介 (数研) Yusuke Isono (RIMS)

Tensor product decompositions and rigidity of full factors

11:00~12:00 縄田紀夫 (大教大) Norio Nawata (Osaka Kyoiku)

Rohlin actions of finite groups on  $\mathcal{W}$