

- Collaborative works are presented by the underlined authors. The talks with * mark are presented through document camera, while \flat marks denote presentations on whiteboards. The speakers with \star marks are professors emeriti.

Foundation of Mathematics and History of Mathematics

September 27th (Sat) Conference Room IX

9:30–11:40

- 01-99-0003
1 Takashi Oyabu \flat Theory of H -theorems, and other 5 talks 5
- 01-99-0002
2 Yoshifumi Ito (Univ. of Tokushima*) Definition and existence theorem of the concept of ordinal numbers 15
- 01-01-0014
3 Makoto Kikuchi (Kobe Univ.) On the constructive nature of the incompleteness theorem 15
Sakaé Fuchino (Kobe Univ.)
- 01-01-0015
4 Makoto Kikuchi (Kobe Univ.) On theorems and proofs in nonstandard models of arithmetic 15
Taishi Kurahashi
(Kisarazu Nat. Coll. of Tech.)
- 01-99-0004
5 Kazuyuki Tanaka (Tohoku Univ.) Phase transitions and reverse mathematics 15
Florian Pelupessy (Tohoku Univ.)
- 01-01-0003
6 Toshio Suzuki (Tokyo Metro. Univ.) Equilibrium points of an AND-OR tree: under constraints on probability 15
Yoshinao Niida (Patent Result Co.)
- 01-01-0013
7 Kohtaro Tadaki (Chuo Univ.) Reformulating quantum mechanics by algorithmic randomness 15
- 01-01-0020
8 Hiroyuki Ota (Univ. of Tokyo) Small complexity classes for computable analysis 15
Akitoshi Kawamura (Univ. of Tokyo)

14:15–15:40

- 01-01-0008
9 Takayuki Kihara (JAIST) σ -homeomorphism types and point degree spectra of infinite dimensional spaces 15
Arno Pauly (Univ. of Cambridge)
- 01-01-0016
10 Sakaé Fuchino (Kobe Univ.) Almost continuity of Baire functions 15
- 01-01-0009
11 Hiroaki Minami The dominating number of F_σ ideals on Katětov–Blass order 15
Hiroshi Sakai (Kobe Univ.)
- 01-01-0005
12 Yoshihiro Abe (Kanagawa Univ.) Rigidity and weakly normal ideals on $\mathcal{P}_\kappa\lambda$ 15
- 01-01-0006
13 Toshimichi Usuba (Kobe Univ.) Set-theoretic geology in HOD 15

16:00–17:00 Talk invited by Section on Foundation and History of Mathematics

- 01-02-0001
Daisuke Ikegami (Kobe Univ.) Gödel's program, large cardinals, and forcing axioms

September 28th (Sun) Conference Room IX

9:30–11:30

01-01-0011

14 Koichiro Ikeda (Hosei Univ.) Simplicity and the strong order property of generic structures 15

01-01-0018

15 Hirotaka Kikyo (Kobe Univ.) On model complete generic structures 15

01-01-0012

16 Munehiro Kobayashi On the equivalence of dividing and forking in NTP_2 theories 15

(Univ. of Tsukuba)

Akito Tsuboi (Univ. of Tsukuba)

01-01-0017

17 Toshihiko Kurata (Hosei Univ.) Categorical equivalence between concrete domains and sheaves 15

01-01-0019

18 Katsuhiko Sano (JAIST) Cut-elimination theorem for Belnap–Dunn’s four-valued logic 15

01-01-0004

19 Nobu-Yuki Suzuki (Shizuoka Univ.) The independence of existence and disjunction properties in intermediate predicate logics 15

01-01-0010

20 Ryo Kashima (Tokyo Tech) On semilattice relevant logics 15

11:30–12:00 Research Section Assembly**14:15–14:45 Mathematics History Team Meeting Part 1 — “Kyouhou Japanese Map”****15:00–16:10**

01-01-0007

21 Shunzi Horiguchi A discovery of the Shimizu style surveying secret book — Considerations from the connections of the surveyors and religions— 15

(Niigata Sangyo Univ.)

Tetsuaki Shimotomai

01-99-0001

22 Shotaro Tanaka ^b Methods for power series expansions of rational functions. Strictness and handiness of their methods 15

01-01-0001

23 Shigeru Masuda La valeur particuliere and the eigenvalue 15

(Res. Workshop of Classical Fluid Dynamics)

01-01-0002

24 Shigeru Masuda Prévost’s study preceding Fourier of heat communication in the history of physico-mathematics 15

(Res. Workshop of Classical Fluid Dynamics)

16:10–16:40 Mathematics History Team Meeting Part 2 — Other Topics