

The 51st Mathematical Logic Group Meeting (MLG) Program

(collocated with the meeting of JSPS Japan-Czech Joint Research Project
“Exploring Nonclassical Mathematics Based on
Fuzzy, Paraconsistent and Substructural Logics”)

Date : 27th ~ 30th October, 2016

Place : Shiki-no-Yu Gora-Seiunsou

27th, Afternoon

- 14:15 – 14:20 Opening
- 14:20 – 14:55 滝坂透 (Toru Takisaka), 京都大学 (Kyoto University)
On coalgebraic characterization of randomness
- 14:55 – 15:30 藤原誠 (Makoto Fujiwara), 早稲田大学 (Waseda University)
Weak fragments of double negation shift and related principles
in arithmetic (joint work with Ulrich Kohlenbach)
- 15:50 – 16:25 沖坂祥平 (Shohei Okisaka), 東北大学 (Tohoku University)
The definability of Lindstrom extensions
- 16:25 – 17:00 横溝恭平 (Kyohei Yokomizo), 日本大学 (Nihon University)
A separable axiomatization of the Gabbay-de Jongh logics

28th, Morning Free time

28th, Afternoon

- 13:45 – 14:20 大森仁 (Hitoshi Omori), 京都大学 (Kyoto University)
Towards a unification of paraconsistent logics
- 14:20 – 14:55 Adam Přenosil, Czech Academy of Sciences
Cut elimination and identity elimination via structural atomicity
- 14:55 – 15:30 Igor Sedlár, Czech Academy of Sciences
Paraconsistent PDL
- 15:50 – 16:25 Rostislav Horčík, Czech Academy of Sciences
Valued Constraint Satisfaction and Non-classical Logics
- 16:25 – 17:00 浦本武雄 (Takeo Uramoto), 京都大学 (Kyoto University)
Semantics of Eilenberg Variety Theory?

29th, Morning

- 09:30 – 10:05 **Matthew de Brecht**, 京都大学 (Kyoto University)
Quasi-Polish spaces and propositional geometric logic
- 10:05 – 10:40 **Tommaso Moraschini**, Czech Academy of Sciences
Structural completeness in relevance logic
- 11:00 – 11:35 **鈴木信行 (Nobu-Yuki Suzuki)**, 静岡大学 (Shizuoka University)
Some weak variants of existence and disjunction properties
in intermediate predicate logics
- 11:35 – 12:10 **志村立矢 (Tatsuya Shimura)**, 日本大学 (Nihon University)
A strong form of Harrop disjunction property

29th, Afternoon

- 13:45 – 14:20 **Amanda Vidal**, Czech Academy of Sciences
An introduction to modal expansions of substructural logics
- 14:20 – 14:55 **Petr Cintula**, Czech Academy of Sciences
Modal Logics with Two-Layer Syntax
- 14:55 – 15:30 **Carles Noguera**, Czech Academy of Sciences
Neighborhood Semantics for Modal Lattice-Valued Logics
- 15:50 – 16:25 **Norbert Preining**,
Classification of First Order Gödel Logics with Delta
- 16:25 – 17:00 **佐々木克巳 (Katsumi Sasaki)**, 南山大学 (Nanzan University)
On Makinson's theorem

30th, Morning

- 09:30 – 10:05 **田中義人 (Yoshihito Tanaka)**, 九州産業大学 (Kyushu Sangyo University)
Quasi-identities for semilattices with operators and distributive lattices
with operators
- 10:05 – 10:40 **藤田憲悦 (Ken-etsu Fujita)**, 群馬大学 (Gumma University)
On the Church-Rosser theorem
- 11:00 – 11:35 **岩田荘平 (Sohei Iwata)**, 名古屋大学 (Nagoya University)
Extended Arithmetical Completeness Theorem of LP
- 11:35 – 12:10 **鹿島亮 (Ryo Kashima)**, 東京工業大学 (Tokyo Institute of Technology)
On Second Order Propositional Intuitionistic Logics
- 12:10 – 12:20 Closing

Misc. Breakfast: Anytime during 8:00 – 9:00, Dinner: Starting at 18:00 (– 19:30),
Bath: Anytime during 14:00 – 10:00 (available over night)