

Wormshop Opening Talk

Joost J. Joosten

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Universitat de Barcelona

Monday 16-04-2012
Wormshop, Barcelona

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By any other name would smell as sweet.*

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- ▶ Workshop on Proof Theory and Modal Logic

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- ▶ Workshop on Proof Theory and Modal Logic
- ▶ Wormshop

- ▶ From Turing progressions

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- ▶ to ordinal analysis
- ▶ using worms.
- ▶ Towards predicativity and beyond
- ▶ And all that is more or less related

Monday April 16, 2012.

9:00–10:00	Registration
10:00–10:10	OPENING
10:10–11:00	Gerhard Jäger TUTORIAL ON PREDICATIVITY, LECTURE 1
11:00–11:50	Lev D. Beklemishev TUTORIAL ON PROVABILITY ALGEBRAS, LECTURE 1: AN OVERVIEW
11:50–12:20	Coffee Break
12:20–13:10	Joost J. Joosten TUTORIAL ON PROVABILITY ALGEBRAS, LECTURE 2: MANIPULATING AND ORDERING WORMS
13:10–14:00	Ilya Shapirovsky PSPACE COMPLEXITY OF GLP AND SOME OTHER MODAL LOGICS
14:00–16:00	Lunch Break
16:00–16:50	Lorenzo Carlucci RAMSEY THEOREM, TURING JUMPS, AND RELATIVELY LARGE SETS
16:50–17:40	Fedor Pakhomov DECIDABILITY OF THE ELEMENTARY THEORY OF THE FREE 0-GENERATED GLP-ALGEBRA AND SOME RELATED QUESTIONS

Tuesday April 17, 2012.

10:10–11:00	Gerhard Jäger TUTORIAL ON PREDICATIVITY, LECTURE 2
11:00–11:50	David Fernández Duque TUTORIAL ON PROVABILITY ALGEBRAS, LECTURE 3: MODELS OF PROVABILITY LOGIC
11:50–12:20	Coffee Break
12:20–13:10	Michael Rathjen SLOW CONSISTENCY
13:10–14:00	Timothy Carlson β -LOGIC AND PATTERNS OF RESEMBLANCE: RECENT PROGRESS
14:00–16:00	Lunch Break
16:00–16:50	Evgeniy Dashkov PROVABILITY ALGEBRAS FOR THEORIES OF TARSKIAN TRUTHPREDICATES
16:50–17:40	Kentaro Sato IMPACTS OF REFLECTION PRINCIPLE

Wednesday April 18, 2012.

10:10–11:00	David Fernández Duque TRANSFINITE PROVABILITY LOGIC
11:00–11:50	David Gabelaia THE TOPOLOGICAL COMPLETENESS OF THE POLYMODAL PROVABILITY LOGIC GLP
11:50–12:20	Coffee Break
12:20–13:10	Joan Bagaria LARGE CARDINALS AND TOPOLOGICAL COMPLETENESS OF POLYMODAL PROVABILITY LOGICS
13:10–13:30	Lorenzo Carlucci ON THE WORM PRINCIPLE
13:30–16:00	Lunch Break
16:00–16:50	Andrés Cerdón Franco LOCAL INDUCTION AND Σ_2 -CONSEQUENCES OF ARITHMETIC THEORIES
16:50–17:40	Francisco Félix Lara ON AN ABSTRACT APPROACH TO THE REDUCTION PROPERTY

Thursday April 19, 2012.

11:00–11:50	Grigori Mints, Grigori Olkhovikov, and Alasdair Urquhart FAILURE OF INTERPOLATION FOR INTUITIONISTIC LOGIC OF CONSTANT DOMAINS
11:50–12:20	Coffee Break
12:20–13:10	Danyar Shamkanov INTERPOLATION PROPERTIES FOR PROVABILITY LOGICS GL AND GLP
13:10–14:00	INTERACTIVE SESSION ON OPEN QUESTIONS IN PROVABILITY ALGEBRAS AND RELATED TOPICS All
14:00–14:10	CLOSING

Mail correspondence with Lev Beklemishev (23-01-2012).

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Another rather urgent question. My students are applying for Russian travel grants, where they have to provide info about the conference. The link to the conference currently reads as follows:

<http://www.phil.uu.nl/~jjoosten/WormShop/WormShop/WormShop.html>
<<http://www.phil.uu.nl/%7Ejjoosten/WormShop/WormShop/WormShop.html>>

I am not sure if this increases their chances of getting support. Could you create a mirror link preferably somewhere in Barcelona

Mail correspondence with Barry Cooper (20-12-2011).

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much known or understood. I'll be glad to add the meeting to the list of ATY events. Woops, just noticed significant typo - 'Wormshop'? I'll not draw attention to the page until that is sorted :-)

▶ Small

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- ▶ Informal

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- ▶ Interdisciplinary (speakers: keep that in mind!)

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- ▶ Things grew out of hand

▶ IMUB

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In particular Félix Bou and Joan Bagaria

Thanks for coming!