

From omega to Omega (12 Jun 2023–07 Jul 2023)

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[Workshop 1: Workshop on Computability Theory](#)

[Workshop 2: Workshop on Computability Theory, Set Theory and their interactions](#)

[Workshop 3: Workshop on Set Theory](#)

Name & Affiliation	Title
David Asperó University of East Anglia, UK	On the limits of properness (Slides)
George Barmpalias Chinese Academy of Sciences, China	Compression of enumerations and gain (Slides)
Nikolay Bazhenov Sobolev Institute of Mathematics, Russia	Learning families of algebraic structures from text
Damir Dzhafarov University of Connecticut, USA	The tree theorem for singletons in the Weihrauch degrees (Slides)
Gunter Fuchs The City University of New York, USA	On the strength of leap constellations (Slides)
Ziyuan Gao National University of Singapore, Singapore	Quasi-Isometric Reductions Between Infinite Strings
Moti Gitik Tel Aviv University, Israel	On negation of the Singular Cardinals Hypothesis with GCH below
Daisuke Ikegami Shibaura Institute of Technology, Japan	Preserving AD via forcings (Slides)
Bakh Khoussainov University of Electronic Science and Technology of China, China	Quasi-axiomatizability of algorithmically presented structures
Takayuki Kihara Nagoya University, Japan	Topos-theoretic aspect of the degrees of unsolvability (Slides1) (Slides2)
Andreas Lietz University of Münster, Germany	$\mathcal{Q}_{\max} - (*)$.is a forcing axiom

Name & Affiliation	Title
Yong Liu Nanjing Xiaozhuang University, China	Splitting property in 3-r.e. degrees (Slides)
Patrick Lutz University of California, Los Angeles, USA	Martin's conjecture for order preserving functions above the hyperjump (Slides)
Alexander Melnikov Victoria University of Wellington, New Zealand	A recursion-theoretic approach to classification in topology (Slides)
Joseph S. Miller University of Wisconsin-Madison, USA	The Hausdorff dimension of continuous images (Slides)
Kenshi Miyabe Meiji University, Japan	Solovay reducibility and signed-digit representation
Tadatoshi Miyamoto Nanzan University, Japan	A simplified morass by finite mixtures of two types
Andre Nies University of Auckland, New Zealand	Martin-Loef randomness, 2-randomness, and reverse mathematics (Slides)
Arno Pauly Swansea University, UK	Observations and questions on the structure of the Weihrauch degrees
Yinhe Peng Chinese Academy of Sciences, China	A partition ordinal definable from a surjection (Slides)
Hiroshi Sakai Kobe University, Japan	Higher reflection principles and cardinal arithmetic
Farmer Schlutzenberg University of Münster, Germany	Full normalization and the initial segment condition for mice with long extenders
Paul Shafer University of Leeds, UK	Ordinal analysis of partial combinatory algebras (Slides)
Xianghui Shi Beijing Normal University, China	The structure of generalized degrees in $L[\mathcal{E}]$ (Slides)
Richard Shore Cornell University, USA	Basis Theorems, Zorn's Lemma, Σ_1^1 and Σ_2^1 Submodels, Π_1^1 - CA_0 and Π_2^1 - CA_0 and Applications in Combinatorics (Slides)
Mariya Soskova University of Wisconsin-Madison, USA	Stratifying classes of enumeration degrees (Slides)

Name & Affiliation	Title
Spencer Unger University of Toronto, Canada	The tree property
Liuzhen Wu University of Chinese Academy of Sciences, China	A surjection from square onto power
Keita Yokoyama Tohoku University, Japan	Determinacy and reflection principles in second-order arithmetic (Slides)
Jindra Zapletal University of Florida, USA	Algebra and Axiom of Choice