Computability, Complexity, and Randomness 2026
University of Leeds School of Mathematics
Leeds, UK
07 – 11 September 2026

`https://www.computability.org/ccr2026/`

All activities are in the MALL on Level 8 in the School of Mathematics.

Monday, 07 September 2026

Before 10:00am:	Coffee available!
10:00am – 10:50am:	Liling Ko (Nanyang Technological University) *Embedding distributive lattices in the punctual degrees of the rationals*
10:50am – 11:10am:	Morning break!
11:10am – 12:00pm:	Raphaël Carroy (Università degli Studi di Torino) *Reduction and games in topology*
12:00pm – 2:00pm:	Lunch!
2:00pm – 2:30pm:	Giorgio Genovesi (University of Leeds) *Bisimulations, the tree interpretation, and transfinite recursion*
2:30pm – 3:00pm:	Afternoon break!
3:00pm – 3:30pm:	Luca Facchinetti (Universitá degli Studi di Udine) *New results about reverse mathematics and wqo definitions*
3:40pm – 4:10pm:	Benjamin Koch (Swansea University) *The computational strength of high-dimensional points*
4:20pm – 4:50pm:	Ellen Hammatt (Technische Universität Wien) *κ-Turing degrees and κ-computable approximations*

Tuesday, 08 September 2026

Before 10:00am:	Coffee available!
10:00am – 10:50am:	Quentin Le Houérou (Université Paris-Est Créteil) *Ramsey-like theorems for separable permutations*
10:50am – 11:10am:	Morning break!
11:10am – 12:00pm:	Oriola Gjetaj (Technische Universität Wien) *Ramsey-type principles for barriers and more*
12:00pm – 2:00pm:	Lunch!
2:00pm – 2:30pm:	Orazio Nicolosi (Università degli Studi di Torino) *A game characterization for weak continuous reducibility*
2:30pm – 3:00pm:	Afternoon break!
3:00pm – 3:30pm:	Dino Rossegger (Technische Universität Wien) *A topological highness notion*
3:40pm – 4:10pm:	Georgii Potapov (Royal Holloway, University of London) *Randomness deficiency with respect to a class*
4:30pm – 6:00pm	Reception!

Wednesday, 09 September 2026

Before 10:00am:	Coffee available!
10:00am – 10:50am:	Jack Lutz (Iowa State University) *The recent advent of multi-head finite-state dimensions*
10:50am – 11:10am:	Morning break!
11:10am – 12:00pm:	Yiping Miao (University of California, Berkeley) *Dimensions of generic and random reals*
12:00pm onward:	Free afternoon!

Thursday, 10 September 2026

Before 10:00am:	Coffee available!
10:00am – 10:50am:	Isabella Scott (University of Wisconsin–Madison) *Comparing presentations of Polish spaces*
10:50am – 11:10am:	Morning break!
11:10am – 12:00pm:	Henry Klatt (George Washington University) *Cohesive Products of Galois Extensions*
12:00pm – 2:00pm:	Lunch!
2:00pm – 2:30pm:	Antonio Nakid Cordero (Technische Universität Wien) *Effectively closed sets and enumeration reducibility*
2:30pm – 3:00pm:	Afternoon break!
3:00pm – 3:30pm:	Heer Tern Koh (University of Electronic Science and Technology of China) *On a reduction on compact Polish spaces*
3:40pm – 4:10pm:	Daniel Mourad (Nanjing University) *Escaping continuity within α-many steps*
4:20pm – 4:50pm:	Margarita Reyes García (Universidad Nacional Autónoma de México) *Approximating Kolmogorov complexity in fractal graphs using BDM: A methodological proposal*

Friday, 11 September 2026

Before 10:00am:	Coffee available!
10:00am – 10:50am:	Keita Yokoyama (Tohoku University) *Nonstandard arguments in reverse mathematics* *(in memory of Kazuyuki Tanaka)*
10:50am – 11:10am:	Morning break!
11:10am – 12:00pm:	Rod Downey (Victoria University of Wellington) *Yet more on Q- and Z- reducibilities*
12:00pm – 2:00pm:	Lunch!
2:00pm – 2:30pm:	Yudai Suzuki (National Institute of Technology, Oyama College) *Generalizations of the second incompleteness theorem and its surroundings*
2:30pm – 3:00pm:	Afternoon break!
3:00pm – 3:30pm:	Kenshi Miyabe (Meiji University) *Decomposing point-to-set principles: Coding and effectivity*
3:40pm – 4:10pm:	Yuzuki Kaneko (Tohoku University) *Reverse mathematics of the classification of maximal filter spaces*
4:20pm – 5:10pm:	Iqra Altaf (University of California, Los Angeles) *online talk* *Distance sets bounds for polyhedral norms via effective dimension*