Workshop on

"Determinacy, Inner Models and Forcing Axioms"

June 24 - 28, 2024

organized by

Takehiko Gappo (TU Vienna), Sandra Müller (TU Vienna), Grigor Sargsyan (Polish Academy of Science, Warsaw), Ralf Schindler (WWU Münster), John Steel (UC, Berkeley)

- **Monday, June 24th, 2024**

  09:00 – 09:45 **Coffee & Registration**

  09:45 – 10:00 **Welcome**

  10:00 – 10:45 **John Steel (UC, Berkeley)**
  The comparison lemma

  10:45 – 11:15 **Coffee Break**

  11:15 – 12:00 **Jouko Väänänen (U Helsinki)**
  Inner models constructed from generalized logics and their relationship with the standard inner models

  12:00 – 14:00 **Lunch Break**

  14:00 – 14:45 **Bartosz Wcislo (U of Gdańsk)**
  Separating levels of DC on reals from levels of PD.

  14:45 – 15:05 **Coffee Break**

  15:05 – 15:50 **William Chan (TU Vienna)**
  Cardinality of the Set of Bounded Subsets of a Cardinal

  16:00 – 16:45 **Menachem Magidor (HU of Jerusalem)**
  Inner Models constructed from generalized logics and thier relationship wiht the standard models.
  – online?

- **Tuesday, June 25th, 2024**

  09:00 – 09:15 **Coffee**

  09:15 – 10:00 **Dima Sinapova (Rutgers U)**
  Stationary reflection for $\aleph_{\omega_1+1}$

  10:00 – 10:20 **Coffee Break**

  10:20 – 11:05 **Benjamin Siskind (TU Vienna)**
  Order-preserving Martin's Conjecture and Inner Model Theory

  11:15 – 12:00 **Martin Zeman (UC Irvine)**
  On the failure of two successive squares

  12:00 – 14:00 **Lunch Break**

  14:00 – 14:45 **Dominik Adolf (–)**
  Chang's Conjecture and Mouse Reflection

  14:45 – 15:05 **Coffee Break**

15:05 – 15:50 **Andreas Lietz (TU Vienna)**
On Mathias Characterizations for Generics for Variants Of Namba Forcing

16:00 – 16:45 **Takehiko Gappo (TU Vienna)**
Determinacy of long games just beyond fixed countable length

- **Wednesday, June 26th, 2024**

  09:00 – 09:15 **Coffee**

  09:15 – 10:00 **Trevor Wilson (Miami U, Oxford)**
  TBA

  10:00 – 10:20 **Coffee Break**

  10:20 – 11:05 **Hugh Woodin (Harvard U)**
  TBA - part I

  11:15 – 12:00 **Hugh Woodin (Harvard U)**
  TBA - part II

  12:00 – 14:00 **Lunch Break**

  14:00 – 19:00 **Excursion**

  19:00 – **Conference Dinner**

- **Thursday, June 27th, 2024**

  09:00 – 09:15 **Coffee**

  09:15 – 10:00 **Juan M Santiago Suárez (U Paris Cité)**
  Forcing and consistency properties

  10:00 – 10:20 **Coffee Break**

  10:20 – 11:05 **Jan Kruschewski (TU Vienna)**
  Analysis of HOD for Admissible Structures

  11:15 – 12:00 **Derek Levinson (UCLA)**
  Unreachability in the Second Projective-Like Hierarchy

  12:00 – 14:00 **Lunch**

  14:00 – 14:45 **James Cummings (Carnegie Mellon U, Pittsburgh)**
  Squares, scales and lines

  14:45 – 15:05 **Coffee**

  15:05 – 15:50 **Grigor Sargsyan (Polish Academy of Science, Warsaw)**
  Hod mice as a bridge between determinacy, forcing axioms and infintary combinatorics - part I
  – online

  16:00 – 16:45 **Grigor Sargsyan (Polish Academy of Science, Warsaw)**
  Hod mice as a bridge between determinacy, forcing axioms and infintary combinatorics - part II
  – online

- **Friday, June 28th, 2024**

  09:00 – 09:15 **Coffee**

  09:15 – 10:00 **Gabriel Goldberg (UC, Berkeley)**
  The HOD conjecture and its failure

  10:00 – 10:20 **Coffee Break**

  10:20 – 11:05 **Taichi Yasuda (U Münster)**
  Martin's Maximum$_c^{*,++}$ in P_{max} extensions of strong models of determinacy

11:15 – 12:00 **Farmer Schlutzenberg (TU Vienna)**
Ladder mice

12:00 – 14:00 **Lunch Break**

14:00 – 14:45 **Monroe Eskew (U of Vienna)**
Transferring ideals

14:45 – 15:05 **Coffee Break**

15:05 – 15:50 **Nam Trang (UNT, Denton)**
Almost disjoint families in natural models of AD^+

All talks take place at ESI Boltzmann Lecture Hall!