



ESF Mathematics Conference in Partnership with
EMS and ERCOM

The second European Set Theory Meeting: In honor of Ronald Jensen

Mathematical Research and Conference Center,
Bedlewo • Poland

5-10 July 2009

Chair:

Jouko Väänänen, University of Amsterdam, NL and
University of Helsinki, FI

Organising Committee:

Grzegorz Plebanek, University of Wrocław, PL; **Ralf Schindler**, University of
Münster, DE; **Boban Velickovic**, Université de Paris 7, FR

www.esf.org/conferences/09306

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Prospects)*



(\diamond_{κ}) There is a sequence $\langle S_{\nu < \kappa} \rangle$
s.t. $S_{\alpha} \subseteq \alpha$ ($\alpha < \kappa$) and
for every $X \subset \kappa$, the set
 $\{\alpha \mid X \cap \alpha = S_{\alpha}\}$ is Mahlo in κ .

(\diamond_{κ}^+) There is a sequence $\langle S_{\nu < \kappa} \rangle$
s.t. $S_{\alpha} \subseteq \mathcal{P}(\alpha)$, $\bar{S}_{\alpha} \leq \bar{\alpha}$ ($\alpha < \kappa$)
and for every $X \subset \kappa$, the set
 $\{\alpha \mid X \cap \alpha = S_{\alpha}\}$ is Mahlo in κ .

Final Programme

Sunday, 5 July

Late afternoon /
early evening

19.30

20.00

Registration at the ESF-RC desk

Welcome Drink

Dinner

Monday, 6 July

09.00-09.50

Menachem Magidor

Hebrew University, IL

The core of modern set theory – Ronald Jensen

09.50-10.00

Discussion

10.00-10.30

Coffee break

10.30-11.00

Adrian Mathias

Université de la Réunion, St.Denis de la Réunion, FR

Provident sets

11.00-11.10

Discussion

11.10-11.40

Martin Zeman

University of California Irvine, US

Combinatorics of small and large cardinals

11.40-11.50

Discussion

11.50-12.40

John Steel

University of California Berkeley, US

More mice

12.40-12.50

Discussion

13.00-15.00

Lunch

15.00-15.50

Ronald Jensen

Umboldt-Universität zu Berlin, DE

Lecture

15.50-16.00

Discussion

16.00-16.30

Coffee break

16.30-17.00

Itay Neeman

University of California Los Angeles, US

Lecture

17.00-17.10

Discussion

17.10-17.40

Grigor Sargsyan

University of California Berkeley, US

The mouse set conjecture

17.40-17.50

Discussion

18.00-19.00

Poster session

19.00

Dinner

Tuesday, 7 July

09.00-09.50

Menachem Kojman

Ben Gurion University of the Negev, IL

Singular cardinals in the 20-th century

09.50-10.00

Discussion

10.00-10.30

Coffee break

10.30-11.00

Tomek Bartoszynski

National Science Foundation, US

Covering the real line by a few translations of a compact set

11.00-11.10

Discussion

11.10-11.40

James Cummings

Carnegie Mellon University, Pittsburgh, PA, US

Combinatorial principles

11.40-11.50

Discussion

11.50-12.40

Hugh Woodin

University of California Berkeley, US

The search for ultimate L

12.40-12.50

Discussion

13.00-15.00

Lunch

15.00-15.50

Inessa Epstein

University of California Los Angeles, US

The descriptive set theory of orbit equivalence

15.50-16.00

Discussion

16.00-16.30

Coffee break

16.30-17.00

Taras Banakh

Ivan Franko Lviv National University, UA

Descriptive set theory and dimension

17.00-17.10

Discussion

17.10-17.40

Todor Tsankov

University of Paris VI, FR

Equivalence relations generated by profinite actions

17.40-17.50

Discussion

18.00-19.00

Poster session

19.00

Dinner

Wednesday, 8 July

09.00-09.50

Philip Welch

University of Bristol, UK

The Jensen Indiscernibles Lemma: a short history

09.50-10.00

Discussion

10.00-10.30

Coffee break

10.30-11.00

Dilip Raghavan

University of Toronto, CA

Cofinal types of ultrafilters

11.00-11.10

Discussion

11.10-11.40

Janusz Pawlikowski

Wroclaw University, PL

Universally baire operations

11.40-11.50

Discussion

11.50-12.40

Sy Friedman

University of Vienna, AT

The outer model programme and quasi-lower bounds on consistency strength

12.40-12.50

Discussion

13.00-14.00

Lunch

14.00

Half-day excursion to Poznan

19.00

Dinner

Thursday, 9 July

09.00-09.50

Mirna Dzamonja

University of East Anglia, UK

The isomorphism problem

09.50-10.00

Discussion

10.00-10.30

Coffee break

10.30-11.00

Istvan Juhasz

Alfréd Rényi Institute of Mathematics, HU

The convergence and character spectra of compact spaces

11.00-11.10

Discussion

11.10-11.40

Jindrich Zapletal

University of Florida Gainesville, US

Ramsey theorems and creature forcing

11.40-11.50

Discussion

11.50-12.40

Stevo Todorcevic

University of Toronto, CA and University of Paris VII, FR

Lecture

12.40-12.50

Discussion

13.00-15.00

Lunch

15.00-15.50

Slawomir Solecki

University of Illinois, Urbana-Champaign, US

Point realizations of Boolean actions of Polish groups

15.50-16.00

Discussion

16.00-16.30

Coffee break

16.30-17.00

Justin Moore

Cornell University, US

Some open problems related to proper forcing and CH

17.00-17.10

Discussion

17.10-17.40

Moti Gitik

Tel Aviv University, IL

Lecture

17.40-17.50

Discussion

18.00-19.00

Forward Look Plenary Discussion

19.30

Get-together & Conference Dinner

Friday, 10 July

08.00 Breakfast & Departure

Abstracts and Posters Presentations

There will be no short talks. All other abstracts are accepted as posters. The list of accepted posters is available from www.esf.org/conferences/09306.