# 12th International Workshop in Set Theory, September 24-28, 2012 CIRM, Luminy, Marseille

Organizers: A. Louveau, M. Magidor, B. Velickovic et H. Woodin SCIENTIFIC

## MONDAY, September 24 2012

**MORNING**
9:20 – 9:50 J. ZAPLETAL (University of Florida, Gainesville, USA)
**Generalizations of turbulence**
10:00-10:30 A. KWIATKOWSKA (UCLA, Los Angeles, UCA, USA)
**Ample generics and the homeomorphisms of the Cantor set**

10:30 – 11:00 Coffee break

11:00 – 12:15 R. SCHINDLER (University of Muenster, Germany)
**L-forcing, mini course lecture I**

**AFTERNOON**
16:00 – 16:50 S. D. FRIEDMAN (University of Vienna)
**The stable core**
17:00-17:30 L. FONTANELLA (Université de Paris 7 – Diderot)
**Large properties of small cardinals**

17:30 – 18:00 Coffee break

18:00-18:50 B. MILLER (University of Muenster, Germany)
**Borel cardinals above R/Q**
19:00-19:30 A. BLASS (University of Michigan, Ann Arbor, USA)
**The next best thing to a P-point**

## TUESDAY, September 25 2012

**MORNING**
9:00 – 9:50 J. T. MOORE (Cornell University, Ithaca, USA)
**Amenability of Thompson's group F**
10:00 – 10:30 H. SAKAI (Kobe University, Japan)
**Semi-stationary set reflection and weak square**

10:30 – 11:00 Coffee break

11:00 – 12:15 R. SCHINDLER (University of Muenster, Germany)
**L-forcing, mini course lecture II**

**AFTERNOON**
16:00-16:50 I. NEEMAN (University of California, L.A., USA)
**Three type side conditions and a higher analog of PFA**
17:00-17:50 M. SABOK (Fields Institute, Toronto, Canada)
**Canonization of Borel equivalence relations**

17:50-18:20 Coffee break
18:20-19:10 S. SOLECKI (University of Illinois, Urbana, IL, USA)
**Boolean actions of Polish groups**

# WEDNESDAY, September 26 2012

## MORNING
9:15-10:30 R. SCHINDLER (University of Muenster, Germany)
**L-forcing, mini course lecture III**

10:30-11:00 Coffee break

11:00-11:30 D. LECOMTE (Université Pierre et Marie Curie, Paris 6)
**Baire class $\xi$ colorings**
11:40-12:10 S. GESCHKE (University of Bonn, Germany)
**Induced Ramsey theorems for clopen graphs**

**AFTERNOON – Excursion and dinner in Marseille**

# THURSDAY, September 27 2012

## MORNING
9:00-9:50 M. GITIK (Tel Aviv University, Israel)
**PCF and elementary embeddings**
10:00-10:30 S. THOMAS (Rutgers University, New Brunswick, NJ, USA)
**The bi-embeddability relation for finitely generated groups**
10:30-11:00 Coffee breaks
11:00-11:30 P. WELCH (University of Bristol, UK)
**Determinacy within Second Order Arithmetic**
11:40-12:30 D. SINAPOVA (University of Illinois, Chicago)
**Combinatorics at aleph_omega**

## AFTERNOON
16:00-16:50 I. FARAH (York University, Toronto, Canada)
**Classification of seperable C\*-algebras and logic**
17:00-17:30 J. CUMMINGS (Carnegie Mellon University, Pittsburg, PA , USA)
**Infinitary methods in finite combinatorics**
17:30-18:00 Coffee break
18:00-18:50 J. BAGARIA (ICREA, Barcelona, Spain)
**TBA**
19:00-19:30 M. DZAMONJA (University of East Anglia, Norwich, UK)
**Embeddings of the spaces of the form C(K)**

# FRIDAY, September 28 2012

## MORNING
9:00-9:50 G. SARGSYAN (Rutgers University, New Brunswick, NJ, USA)
**LST HOD mice**
10:00-10:30 M. VIALE (University of Torino, Italy)
**$\Omega$-logic revisited: forcing and absoluteness as means to prove theorems**
10:30-11:00 Coffee break
11:00 -11:30 S. JACKSON (University of North Texas, Denton, TX, USA)
**Maharam's problem on $\sigma$-finite measures**
11:40-12:30 H. WOODIN (University of California, Berkeley, USA)
**TBA**