

# ITES2007

## Sixth ITALIAN-SPANISH CONFERENCE ON GENERAL TOPOLOGY AND APPLICATIONS

Bressanone, 26-29 June 2007



UNIVERSITÀ DEGLI STUDI DI PADOVA  
Dipartimento di Matematica Pura e Applicata

# FINAL PROGRAM

## Monday June 25

- Arrival in Bressanone.
- 17.00–19.00 Registration & Check-In (“Casa della Gioventù Universitaria”, via Rio Bianco).

★ ★ ★

## Tuesday June 26

### Morning session.

- Chairman: G. De Marco
- 09.00–09.10 Conference inauguration.
- 09.10–09.25 Commemoration of Professor Jan Pelant.
- 09.25–10.10 Dikran Dikranjan, *Extension of group topologies*.
- 10.20–10.40 Anna Giordano Bruno, *Small essential pseudocompact subgroups of compact groups*.
- 10.40–11.05 coffee break.
- Chairman: F. Montalvo
- 11.05–11.35 Dušan Repovš, *On Bing-Whitehead Cantor sets*.
- 11.40–12.00 Salvador Hernández, *The Bohr topology of discrete non-Abelian groups*.
- 12.05–12.25 Elza Ivanova, *On paracompact and locally compact paracompact extensions*.

### Afternoon session.

- Chairman: D. Repovš
- 15.30–16.15 Batildo Requejo Fernández, *Commutative algebra for the rings of continuous functions*.
- 16.25–16.55 Georgi Dimov, *Some generalizations of duality theorems of De Vries and Fedorchuk*.
- 16.55–17.20 coffee break.
- Chairman: G. Dimov
- 17.20–17.40 Ana María Ródenas, *Some unitary-related invariants of group  $C^*$ -algebras*.
- 17.45–18.05 Antonio Pulgarín, *On determining the compact convergence topology on  $C(X)$* .
- 18.10–18.30 Luciano Stramaccia, *Enriched orthogonality and equivalences*.
- 18.35–18.55 José Antonio Vilches, *Discrete Morse functions with no critical simplices*.

## Wednesday June 27

### Morning session.

Chairman: G. Di Maio

- |             |   |
|-------------|---|
| 09.00–09.45 | Angelo Bella, <i>Compact and countably compact versus sequentially compact.</i>                                 |
| 09.55–10.15 | Francisco Montalvo, <i>A characterization of <math>C_k(X)</math> for <math>X</math> normal and realcompact.</i> |
| 10.20–10.40 | Teresa Abreu, <i>Uniform type hyperspaces.</i>  |
| 10.40–11.05 | coffee break.   |

Chairman: G. Tironi

- |             |  |
|-------------|--|
| 11.05–11.35 | Gerald A. Beer, <i>Between compactness and completeness.</i>   |
| 11.40–12.00 | Ahmed Bouziad, <i>When is a uniformity determined by its Hausdorff hypertopology?</i>                |
| 12.05–12.25 | Bruce Burdick, <i>Representing quasi-uniform spaces as the prime elements of ordered structures.</i> |

### Afternoon session.

Chairman: S. Dolecki

- |             |  |
|-------------|--|
| 15.30–16.15 | Jesús Rodríguez-López, <i>S-topologies and bounded convergences.</i> |
| 16.25–16.55 | Pavel Semenov, <i>Transversal perturbations of convexity.</i>        |
| 16.55–17.20 | coffee break.  |

Chairman: J. Rodríguez-López

- |             |  |
|-------------|--|
| 17.20–17.40 | Sandro Levi, <i>Total boundedness and bornologies.</i>                   |
| 17.45–18.05 | Sergey Antonyan, <i>Proper group actions and uniform equicontinuity.</i> |
| 18.10–18.30 | Fatemah Ayatollah Zadeh Shirazi, <i>A note on shift theory.</i>          |

## Thursday June 28

A whole-day walk in the Dolomiti mountains around *Val di Funes*.

The bus to reach *Val di Funes* leaves at 09:00 am. near the Conference building *Casa della Gioventù*. Return to Bressanone is expected at 06:00 pm.

Meals will be available at an alpine refuge (not included).

The walk will take place at an altitude in between 1700 m and 2300 m a.s.l. We suggest to take a pair of comfortable walking shoes, like trekking shoes or similar, and a jacket.

## Friday June 29

### Morning session.

Chairman: G. A. Beer

- 09.00–09.45 Szymon Dolecki, *Properties transfer between hyperspaces and function spaces.*  
 09.55–10.15 Giuseppe De Marco, *Right inverses of linear maps on convex sets.*  
 10.20–10.40 Andrzej Spakowski, *Upper set-convergences and minimal limits.*  
 10.40–11.05 coffee break.

Chairman: M. Sanchez-Granero

- 11.05–11.25 Giuseppe Di Maio, *Statistical convergence in topology.*  
 11.30–11.50 Hans-Peter A. Künzi, *A double completion for an arbitrary  $T_0$ -quasi-metric space.*  
 11.55–12.15 Dieter Leseberg, *A new concept of convergence.*  
 12.20–12.40 Raja Mohammad Latif, *Topological properties of delta-open sets.*

★ ★ ★

### Afternoon session.

Chairman: H. A. Künzi

- 15.30–16.15 Petr Simon, *Pseudocompact spaces under CH.*  
 16.25–16.45 Miguel Angel Sanchez-Granero, *\*-compactifications of quasi-uniform spaces.*  
 16.45–17.10 coffee break.

Chairman: P. Simon

- 17.10–17.30 Gino Tironi, *Sequential order of compact sequential spaces, I.*  
 17.35–17.55 Chiara Baldovino, *Sequential order of compact sequential spaces, II.*  
 18.00–18.20 Sang-Eon Han, *Khalimsky continuity and its applications.*  
 18.25–18.45 Franco Obersnel, *Period two implies chaos for a class of differential equations.*  
 18.45 Closing ceremony.

20.00: social dinner.