



Seventh Italian-Spanish Conference on General Topology and its Applications

Badajoz, September 7-10, 2010

CONFERENCE PROGRAM



Departamento de Matemáticas, Universidad de Extremadura
06006 Badajoz - Spain

Lecture room: Classroom PhD, Faculty of Science, Juan Remón Camacho building.

Registration & Check-In: Aula 10, Juan Remón Camacho building of the Faculty of Science

Monday September 6, 2010

18:00 – 20:00 Registration

20:30 – 21:30 Welcome cocktail

Registration will continue on Tuesday, 7

Tuesday September 7, 2010

Morning session

09:30 – 10:00

Opening Ceremony

10:10 – 11:00

Anna Di Concilio (Università di Salerno, Italy)

ACTION, UNIFORMITY AND PROXIMITY

11:00 – 11:30

Coffee break

11:30 – 11:50

Gugu Moche (University of South Africa, South Africa)

RECENT RESULTS ON THE SMALLEST IDEAL OF $\beta\mathbb{N}$

11:50 – 12:10

Jesús Rodríguez-López (Universidad Politécnica de Valencia, Spain)

MISS TOPOLOGIES COMPATIBLE WITH SEQUENTIAL UPPER KURATOWSKI-PAINLEVÉ CONVERGENCE

12:10 – 12:30

Gino Tironi (Università di Trieste, Italy)

PSEUDORADIAL ORDER OF PSEUDORADIAL SPACES

12:30 – 13:00

Jesús M. Domínguez (Universidad de Valladolid, Spain)

THE ALGEBRA OF THOSE CONTINUOUS FUNCTIONS ON X THAT ARE LOCALLY IN A SUBALGEBRA OF $C(X)$

Afternoon session

16:00 – 16:30

María Angeles De Prada (Universidad del País Vasco-Euskal Herriko Unibertsitatea, Spain)

DOMAIN-VALUED FUNCTIONS VS SCALES

16:30 – 16:50

Athanasios Megaritis (University of Patras, Greece)

ON DIMENSION-LIKE FUNCTIONS $DM_E^{\{KB\}}$ AND $DM_E^{\{KB\}}$

16:50 – 17:10

Dimitrios Georgiou (University of Patras, Greece)
ON A NEW RELATIVE INVARIANT COVERING DIMENSION

17:10 – 17:40

Coffee break

17:40 – 18:00

Juan-Luis García Zapata (Universidad de Extremadura, Spain)
THE CONDITIONING OF THE WINDING NUMBER OF PLANE CURVES

18:00 – 18:30

Francisco Balibrea (Universidad de Murcia, Spain)
ON THE PERIODIC-RECURRENT PROPERTY ON DENDRITES AND DENDROIDS

Wednesday September 8, 2010

9:30 – 17:00

Conference excursion. Guided tour of the city of Cáceres (World Heritage city)

Thursday September 9, 2010

Morning session

09:30 – 10:00

Gianni Bosi (University of Trieste, Italy)
TOPOLOGIES CORRESPONDING TO CONTINUOUS REPRESENTABILITY OF PREORDERS

10:00 – 10:20

Esteban Indurain (Universidad Pública de Navarra, Spain)
TOPOLOGICAL SPACES WHOSE TOPOLOGY IS GENERATED BY A BINARY RELATION

10:20 – 10:40

Erdal Ekici (Canakkale Onsekiz Mart University, Turkey)
ON PRE-I-OPEN SETS, SEMI-I-OPEN SETS AND B-I-OPEN SETS IN IDEAL TOPOLOGICAL SPACES

10:40 – 11:00

Maria João Ferreira (University of Coimbra, Portugal)
INSERTION OF REAL FUNCTIONS IN COMPLETELY NORMAL POINT-FREE SPACES

11:00 – 11:30

Coffee break

11:30 – 11:50

Miguel Angel Sánchez-Granero (University of Almería, Spain)
FRACTAL DIMENSIONS FOR FRACTAL STRUCTURES: A HAUSDORF DIMENSION GENERALIZATION

11:50 – 12:10

Manuel Fernández (Universidad de Almería, Spain)
APPLICATIONS OF FRACTAL DIMENSIONS FOR FRACTAL STRUCTURES

12:10 – 13:00

Oscar Valero (Universidad de las Islas Baleares, Spain)
AN OVERVIEW OF COMPLEXITY SPACES AND ITS APPLICATIONS TO COMPUTER SCIENCE

Afternoon session

16:00 – 16:30

Félix Cabello (Universidad de Extremadura, Spain)
NONLINEAR BANACH-STONE THEOREMS FOR LATTICES OF LIPSCHITZ FUNCTIONS

16:30 – 16:50

Inderasan Naidoo (University of South Africa, South Africa)
ON CERTAIN COVERING PROPERTIES IN STRUCTURED FRAMES

16:50 – 17:10

Valentín Gregori (Universidad Politécnica de Valencia, Spain)
COMPLETION OF STATIONARY FUZZY METRIC SPACES

17:10 – 17:40

Coffee break

17:40 – 18:00

Dikran Dikranjan (Udine University, Italy)
LOCALLY QUASI-CONVEX COMPATIBLE TOPOLOGIES ON A TOPOLOGICAL GROUP

18:00 – 18:30

Jorge Picado (University of Coimbra, Portugal)
STRICT INSERTION OF CONTINUOUS REAL FUNCTIONS IN POINTFREE TOPOLOGY

21:30

Conference dinner

Friday September 10, 2010

Morning session

09:30 – 10:00

Miroslav Husek (Charles University, University J.E. Purkyne, Czech Republic)
EXTENSIONS OF MAPPINGS AND PSEUDOMETRICS

10:00 – 10:20

Joan Gerard Camarena (Universidad Politécnica de Valencia, Spain)
FUZZY METRICS FOR IMAGE PROCESSING

10:20 – 10:40

Almanzor Sapena (Universidad Politécnica de Valencia, Spain)
METRICS AND FUZZY METRICS

10:40 – 11:00

Hans-Peter Kunzi (University of Cape Town, South Africa)
PERMUTABLE QUASI-UNIFORMITIES

11:00 – 11:30

Coffee break

11:30 – 11:50

Iraide Mardones (Universidad del País Vasco-Euskal Herriko Unibertsitatea, Spain)
ON INSERTION AND EXTENSION OF LATTICE-VALUED FUNCTIONS ON PREORDERED TOPOLOGICAL SPACES

11:50 – 12:40

Angelo Bella (Università di Catania, Italy)
ON SELECTIVE SEPARABILITY

Afternoon session

16:00 – 16:30

Salvador Hernández (Universitat Jaume I, Spain)

BOUNDED SETS IN TOPOLOGICAL GROUPS

16:30 – 16:50

Tero Vedenjuoksu (University of Oulu, Finland)

THE STONE-CECH COMPACTIFICATION OF TOPOLOGICAL GROUPS

16:50 – 17:10

Antonio A. Pulgarín (Universidad de Extremadura, Spain)

GENERAL EQUILIBRIUM IN $C(P)$ -TYPE ECONOMIES

17:10 – 17:40

Coffee break

17:40 – 18:30

Jesús A. Jaramillo (Universidad Complutense de Madrid, Spain)

APPROXIMATION OF LIPSCHITZ FUNCTIONS AND ALGEBRAS OF
DIFFERENTIABLE FUNCTIONS ON FINSLER MANIFOLDS

18:30

Closing Ceremony.