

LOGIC COLLOQUIUM 87

EUROPEAN SUMMER MEETING OF THE ASSOCIATION
FOR SYMBOLIC LOGIC

GRANADA, 20-25 DE JULIO DE 1987

GENERAL INFORMATION

I. P. Van den Berg
Econometric Inst.Univ.Grbningen
P.O.Box 800 9700 AV Grbningen
Holland

M. Van Lambalgen
Dept.Math.
Univ.of Amsterdam
Amsterdam (Holland)

Walter Vannini
Dipart.Science Informazione
Via Moretto Da Brescia
9 20133 Milano, Italy

Manuel Vazquez
Dep.de Matematicas
Universidad de Zaragoza
50009 Zaragoza (Spain)

Luis Vega
Alcalde Sainz de Baranda 41, 7 E
28009 Madrid España

Ventura Verdó
Dep.de Logica, Fac.de Matem.
Universidad Central
Barcelona, España

Anita Wasilewska
Comp.Sc.Dept.
State Univ.of New York
Stony Brook, NY 11794, USA

Dr.O. Stepankova
 Ins.comp.Techniques CVOT
 Horska 3
 123 00 Praha 2 Czechoslovaquia

V.S.Subrahmanian
 School of Com.& Inform.Sc.
 313 Link Hall, Syracuse Univ.
 Syracuse, NY 13244, USA

Dr. Kazimierz Swirydowicz
 A.Mickiewicz University
 ul.Matejki 48-49
 60-769 Poznan Polonia

Dr. A. Tindon
 Garriga y Roca 741039
 08032 Barcelona España

Francesc Tomás
 Facultad de Matematicas
 Universidad de Barcelona
 08007 Barcelona (Spain)

Prof.J. Tomasik
 Univ.de Clairmont Complex.Sc.Czaus
 B.P. 45,63170 Aubiere
 Francia

L. Turi
 Faculty of Civil Engineering
 Kozaracka 2 A
 YU-24000 Subotica (Yugoslavia)

Jouko Väänänen
 Dep.Math.Univ.Helsinki
 Hallituskatu 15
 00100 Helsinki, Finland

Prof. Luis M. Valdés
 Dep.de Logica,Fac.Filosofia
 Espinardo - Murcia (Spain)

Prof.J.F.A.K. Van Benthem
 Math.Inst.Univ.van Amsterdam
 Roetersstraa 15
 1018 WB AMSTERDAM

EUROPEAN SUMMER MEETING OF THE
 ASSOCIATION FOR SYMBOLIC LOGIC

GRANADA 20 - 25 JULIO 1987

organized by revista "teorema" and the Universidad de Granada

taking place in the Faculty of Science of the University of Granada

supported by the Fundación Banco Exterior (Madrid)
 Consejo Superior de Investigaciones Científicas
 Division of Logic, Methodology and Philosophy of Science
 of the Int. Union of Hist. & Philosophy of Science
 Universitat de les Illes Balears
 Facultades de Filosofia y de Matemáticas (Univ.Complutense)

Program Committee: J.J. Acero, N. Batlle, R. Beneyto, P. Cerezo,
 H.D. Ebbinghaus, J. Fernández-Prida, M. Garrido, D. Lascar,
 J. Mosterin, J.A. Paulos, M. Rodríguez Artalejo, E. Trillas

Organizing Committee: J.J. Acero, Carmen García-Trevijano, María
 Manzano, Marta Sansigre

ORGANIZATION OF THE MEETING

Reception - Information

There will be a reception-desk on Sunday 19th July in the "Colegio Mayor ISABEL LA CATOLICA" from 16:00 to 21:00 (Address: Rector López Argüeta s/n, Granada).
For further information during the days of the meeting, contact to Prof. J.J. Acero

Meals

Breakfast: from 7:00 to 8:15 in the own Residence

Lunch : from 13:45 to 15:15 in Colegio Mayor "Isabel La Católica"

Dinner : from 20:00 to 21:30 in Colegio Mayor "Isabel La Católica"

The University of Granada will offer a cocktail-reception to the participants on Monday 20th at 20:00

Prof.Mario Rodriguez Antalejo
Facultad de Informatica
Carretera de Valencia,Km 7
28031 Madrid (Spain)

Dr. M. de Rougemont
c/o ECRC
Arabellastr. 17
D-8000 München 81 Germany

Dr.A. Rutkowski
Ins.Mathem.Warsaw Techn.Univ.
pl. Jednosci Robotniczej 1
00-661 Warsaw Polonia

Labhalla Salah
93,Quai de Valmy
75010 Paris
France

Dr.P. Schroeder-Heister
Fachg.Phil.Univ.Konstanz
Postfach 5360
7750 Konstanz, Germany

Prof. Stephen C. Simpson
Dept. of Mathematics
Stanford University
Stanford, Calif. 94305, USA

Prof.H. Simmons
Dep.Mathematics
University of Aberdeen
Aberdeen

Andrzej Skowron
Inst.Math.Warsaw Univ.
PKIN 9th floor, 00-901 Warsaw
Poland

Dr.P.H. Slessenger
11 'B' Milman Road
Reading RG2 0AZ, Inglaterra

Dr.P. Stepanek
Dep.Comp.Sc.Charles Univ.
Malostranske namesti 25
118 00 Praha 1 Czechoslovakia

Dr. A. Pelc
 Dep. D'Inf. Univ. Quebec a Hull
 Case Postale 1250 Suc. "B" Hull
 Quebec J8X 3X7 Canada

Margarita Piero
 Via Cairoli
 Italia

Josep Pla Y Carrera
 Dep. Lògica, Fac. Matemàtiques
 Universidad Central
 Barcelona España

Prof. Daniel Quesada
 Apartado 336
 08720 Villafranca del Penedes
 Barcelona (Spain)

Dr. Ratajczyk
 Ins. Mathem. Univ. Warsaw
 PKIN IXP 00-901 Warsaw Polonia

Luis Miguel Peris Vique
 Avd. de Andalucía 32,7 A
 Jaen (Spain)

Dr. M. Piotrow
 Ins. Comp. Sc. Univ. Wroclaw
 ul. Przesmyckiego 20
 51-151 Wroclaw Polonia

Dr. J. Plaza
 02-513 Warszawa
 ul. Madalinskiego 21 u 29
 Poland

Helena Rasiowa
 Inst. of Mathem. Warsaw Univ.
 PKIN 9th floor 00-901 Warsaw
 Poland

A. Riscos
 Univ. de Sevilla. Fac. Matem.
 Sevilla, España

Conference Dinner

A dinner is offered by the Universidad de Granada to the participants on Friday at 21:30

On Wednesday 22nd there will be a night-tour to the Alhambra, which will begin at 22:00 o'clock

Excursions

On July 25th, being a National Festival in Spain, there are two optional excursions:

- 1) A trip to "La Alpujarra", a beautiful land on the south side of Sierra Nevada, and
- 2) A trip to the coast, visiting the "Cuevas de Nerja"

For further information and inscriptions, contact to Prof. Acero

INVITED LECTURES

MONDAY 20th

CHAIRMAN : Prof. J. MESEGUER

- * → 8.30 - 9.45 J. FENSTAD (Inst. of Math., Univ. of Oslo), Logic and Natural Language Systems
- 10.00 - 11.15 G. JAEGER (Inst. f. Informatik, Zurich), Type Theory and Explicit Mathematics
- BREAK
- * → 11.45 - 13.00 A. KUCERA (Dept. of Computer Sc., Charles Univ. Praga), Properties of Diagonally Non-recursive Functions

TUESDAY 21st

CHAIRMAN : Prof. W.A. HODGES

- * → 8.30 - 9.45 G. LONGO (ISI Univ., Pisa), Some Aspects of Impredicativity
- 10.00 - 11.15 J.F.A.K. VAN BENTHEM (Math. Inst. Univ. Amsterdam), Parallels in the Semantics of Natural Languages and Programming Languages
- BREAK
- * → 11.45 - 13.00 J. MESEGUER (SAI International, Calif.), On the Semantics of Logical Programming Languages

Daniele Mundici
 Inst. Matematico Ulisse Dini
 Viale Morgagni 87/A
 Italia

Dr. R. Murawski
 Inst. Matem. UAM
 ul. Matejki 48749
 60-769 Poznan Polonia

Prati Nando
 Dipartimento di Matematica
 Univ. di Pisa
 Pisa, Italia

Prof. Susana Nuclelli
 Granada 3,5.C
 28007 Madrid (Spain)

Juha Oikkonen
 Dept. Math., Univ. Helsinki
 Hallituskatu 15
 00100 Helsinki, Finlandia

Dr. M. Okada
 Dep. Math. 273 Altgeld Hall
 1409 West Green Street
 Urbana, Illinois 61801 U.S.A.

Margarita Otero Dominguez
 Jesus del Valle 23
 Madrid España

Martin Otto
 Mat. Inst. Albert-Ludwigs-Univ.
 Abt. math. Log. und Grundl. Mathem.
 D-7800 Freiburg i.Br.
 Albertstrasse 23 b Alemania

Prof. Leonardo Pasini
 Università di Camerino
 Istituto di Matematica
 62032 Camerino, Italy

Rafael Pecho-Viejo Bellido
 Plaza de Cervantes 31
 Alcala de Henares
 Madrid (Spain)

András Máté
Dept.Symb.Logic, Eötvös Univ.
Budapest Hungary

Gisela Méndez
Inst.Venez. Invest.Cientif.
Universidad Central
Caracas, Venezuela

Prof. J. Meseguer
SAI International
333 Ravenswood
Av. Menlo Park, Calif., 94025
USA

Franco Montagna
Dip.Matem. Univ.di Siena
Via del Capitano 15
53100 Siena, Italy

Prof.J. Mosterin
Dept.de Logica
Universidad Central
Barcelona (Spain)

Mr.K. Meinke
Dep.Comp.Studies The Univ.
Leeds LS2 9JT Inglaterra

Jose M. Méndez
Dep.Filos.y Logica Fac.Filos.
Paseo Canalejas 169
37008 Salamanca (Spain)

Dr. Z Mijajlovic
Fac.Sc.Inst.Mathem.
Studentski Trg 16, P.B. 550
1100 Belgrade Yugoslavia

Yannis Moschovakis
Dept. Mathem.
Univ. of California
Los Angeles, CA 90024 U.S.A.

Marcin Mostowski
Warsaw Univ.Bialystok's Branch
Dept. Logica
15 320 Bialystok
Swierkowa 20 Polonia

WEDNESDAY 22nd

CHAIRMAN : Prof. F.R. DRAKE

- 8.30 - 9.45 St.C. SIMPSON (Dept. of Math., Stanford Univ.), The
Metamathematics of the Hilbert Basis Theorem
→ 10.00 - 11.15 W.A. HODGES (School of Mathematical Sc., London), Cate-
goricity and Permutation Groups

THURSDAY 23th

CHAIRMAN : Prof. D. LASCAR

- 8.30 - 9.45 U. HRUSHOVSKI Dept. of Math., Rutgers Univ., USA), De-
finible Groups in Superstable Theories
→ 10.00 - 11.15 J. FLUM (Math. Inst. Univ. Freiburg), Model Theory
of Regular and Compact Spaces
BREAK
11.45 - 13.00 F. DELON (U.E.R. de Math., Paris), Model Theory of
Henselian Valued Fields

FRIDAY 24th

CHAIRMAN : Prof. H.D. EBBINGHAUS

- 8.30 - 9.45 J. IHODA (Inst. of Math. and Computer Sc., Jerusalem),
Martin's Axioms, Measurability and Equi-
consistency Results
10.00 - 11.15 P. KOEPKE (Oxford Univ.), Higher Core Models
BREAK
→ 11.45 - 13.00 F.R. DRAKE (School of Math., Univ. of Leeds), Found-
ations of Mathematics in 1987

CONTRIBUTED PAPERS

MONDAY 20

16.30

ROOM 1 : CHAIRMAN: Prof. J.A. PAULOS

Richard Kaye (Dept.of Math. The Univ. Manchester, England): A Contribution to the Consistency Problem for NF

→ Henryk Kotlarski & Szymunt Ratajczyk (Univ. of Wroclaw): Inductive Full Satisfaction Classes

Laure Hella (Dept. of Math., Univ. of Helsinki): Equivalence Relative to N-ary Quantifiers

BREAK

Ferd W. Gony (Dept.of Mathem. Fac.of Sci. Cairo University): The Dependence and Independence of Deduction Rules in the Semiformal System S2 of Markov

Ida Jokisz (Warsaw University): On Interpretations of Many-Sorted Structures

ROOM 2 : CHAIRMAN: Prof. R. BENEYTO

*
→ Lars Hallnäs (Swedish Inst. of Computer Sc.) & Peter Schröder-Heister (Univ. of Konstanz): Logic Programming with Higher-Level Rules

→ P. Stepánek (Dept. of Computer Sc., Univ. of Praga) & O. Stepanková (Inst.of Comput. Techniques, Praga): Transformations and Developments of Logic Programms

*
→ V.S. Subrahmanian (School of Computer & Information Sc., Syracuse Univ., USA): Towards a Theory of Evidential Reasoning in Logic Programming

BREAK

→ Fernando Ferreira (Pennsylvania St.Univ. & Univ. de Lisboa): A Conservation Result over Polynomial Time Arithmetic

→ M. Lisiewicz & K. Lorys: On Quantifiers Hierarchies for Turing Machines

Piero Mangani
Via Cairoli 47
50131 Florencia ItaliaDr.M. Manzano
Garriga y Roca 74 10 3a
08032 Barcelona EspañaCarla Marchiò
Dip. di Matematica
Università di Siena
53100 Siena, ItalyDr.G.A. Marco
Coso Manacorda 44
15033 Casale Monferrato (AL)
Italy→ David Marker
Dep.of Math
BOX 4348, Univ.of Illinois
Chicago, Ill. 60680Huberto Marraud
Jaime el Conquistador 48,5G
28045 Madrid, EspañaNarciso Marti Oriet
Dep.de Algebra, Fac.Matematicas
Universidad Complutense
28040 Madrid EspañaGary A. Martin
165 Palisade Ave
Cresskill, NJ 07626 USAJuan Carlos Martínez Alonso
Secc.Dept.Informát.y Automát.
Fac. de Matem., Univ.Complutense
Madrid (Spain)Pascual Martínez Freire
Dep.de Filosofía. Fac.Filosofía
Universidad de Málaga
Málaga, España

Milagros Larrad
Luis Astrana Marin 6, 7.I
Alcala de Henares. Madrid (Spain)

Prof. J.M. Larrazabal
Dep.Lógica. Fac.Fil.
Apartado 1249
San Sebastián, España

Prof. Daniel Lascar
U.E.R. de Math.Univ. Paris VII
2 Place Jussieu,Tour 45-55
75005 Paris Francia

Dr.A. Levy
Ins.Mathematics Hebrew Univ.
Givat Ram
91 904 Jerusalem Israel

Cebraro Liberina
P/C Marco Gian Arturo
Coso Manacorda 44
15033 Casale Monferrato (AL) Italia

Prof.F.E.J. Linton
Math.Dept./Wesleyan U.
Middletown,CT
06457 USA

Paolo Lipparini
University of Tor Vergata
Roma Italia

Dr.M. Liskiewicz
Ins.Comp.Science Univ.Wroclaw
ul.Przesmyckiego 20
51-151 Wroclaw Polonia

Prof. G. Longo
ISI-Univ.
Corso Italia 40
56100 Pisa, Italia

Prof. Francois Lucas
Fac.Sci.Dept.Math.
2 Boulevard Lavoisier
49045 Angers Cedex (France)

ROOM 3 : CHAIRMAN: Prof. VAN BENTHEM

- (3) Jan Plaza (Mathem.Inst. of Polish Academy of Sciences): The Craig Interpolation Lemma for Quantified Modal Logics
J.M. Font & V. Verdó (Dept.de Lógica, Hist. y Fil.Ccia, Univ.de Barcelona): A First Approach to Abstract Modal Logics
Valentin Goranko (Sector of Mathem.Logic, Faculty of Mathematics, Sofia): Modal Definability in Enriched Languages
BREAK
Kazimierz Swirydowicz (Poznan University, Poland): A Characterization of a Class of Regular Modal Logics
Juan Barba Escribá (Universidad Autónoma de Madrid): Modal Semantics for Supervaluational Free Logic

TUESDAY 21

16.30

ROOM 1 : CHAIRMAN: Dr. F. DELON

- John T. Baldwin (University of Illinois, Chicago): Diverse Classes
Luc Belair (Univ. of Paris): Open Mapping Theorem and P-adic Spectrum
Norbert Brunner (Inst.f.Mathematik, Univ.f.Bodenkultur, Wien): Permutation Models as Representations of Zero-Dimensional Groups
BREAK
— Carlos A. Di Prisco (Inst.Venezolano de Invest.Cientif.) & Gisela Méndez (Univ.Central de Venezuela): Bases for the Closed Unbounded Filter
— C. Impens (Univ. of Gante): Microcontinuity for Nonstandard Polynomials
Francois Lucas (Fac.des Sciences, Univ. D'Angers, France): Convex Closures and Quotients of Ordered Abelian Groups

ROOM 2 : CHAIRMAN: Prof. G. LONGO

J.A. Alonso & A. Riscos (Univ. de Sevilla): Bases de Gröbner y Deducción
 Helena Rasiowa & Andrzej Skowron (Inst.of Mathem.,Warsaw Univ.): Approximation
 Logic

*
 María Manzano (Dept.de Lógica, Univ. de Barcelona): S.O.L.O: A Second Order
 Theory Equivalent to Propositional Dynamic Logic

BREAK

*
 Walter Vannini (Dipartimento di Scienze dell'Informazione, Univ. of Milan):
 A PROLOG-Based Interactive Interpreter for Knowledge Acquisition
 Labhalla Salah: Complexité du Calcul du Developpement d'un nombre réel
 en fractions continues

ROOM 3 : CHAIRMAN: Prof. D. QUESADA

María José Frápolli Sanz (Dept. de Lógica, Univ. de Granada), Is Cantorian
 Set Theory an Iterative Conception of Sets?

András Máté (Dept.Symb.Logic, Eötvös Univ., Budapest): Being as Relation.
 Remarks on the Logic of Plato's Metaphysics

→ Feng Hanquiao (Dept.of Mathem. Shaanxi Normal Univ., China): Nonstandard
 Analysis for the Last Twenty-five Years

BREAK

Josep Pla i Carrera (Dept.de Lógica, Univ. de Barcelona): The Dedekind's
 Set Theory

Theodore Hailperin: The Development of Probability Logic - Part I

I. Juhasz
 Math.Inst.Hungarian Acad.Sci.
 Budapest, P.O.B 127
 H-1364 Budapest Hungria

Dr.R. Kaye
 Dept.of Mathematics
 The University
 Manchester M13 9PL Inglaterra

Mr.Y. Kimchi
 Dep.Mathem.Hebrew Univ. Jerusalem
 Givat Ram 91904
 Jerusalem Israel

Dr.G. Klima
 MTA Filofiai Intezete
 Budapest V.Szemere u.10
 Bp.62 Pf.594 1398 Hungria

Mr. A. Knobel
 Dep.of Computer Science
 Mayfield Road
 Edinburgh EH9 3JZ Escocia

Dr.H. Kotlarski
 Ins.Zast Mat i Stat SGG W-AR
 ul Nowoursynowska 166
 02-766 Warszawa Polonia

E.H. Kovesi
 Landstrgurtel 3376
 A-1030 Wien Austria

Prof. Peter Koepke
 33, Magdalen Road
 Oxford, OX4 1RB, England

Dr. A. Kucera
 Depth.of Computer Science
 Charles University
 Malostranské nám 25
 118 00 Praha 1
 Czechoslovakia

Mirestaw Kutykowski
 Inst. Computer Sci.Univ. Wroctaw
 ul. Przesmyckiego 20
 51-151 Wroctaw Polonia

Prof. W.A. Hodges
School of Math. Sci.
Queen Mary College, Mile End Rd.
London E1 4NS, Inglaterra

Prof. U. Hrushovski
Queen Mary College
Dept. of Mathematics
Mile End Road
London E1 4NS

Dr. C. Impens
Galglaan 2
B-9000 Gent Belgica

Prof. I. Jané Palau
Dep. de Lògica. Fac. Filosofia
Universidad Central
Barcelona España

Thomas Jech
Math. Dep. Pennsylv. Univ.
Mc Allister Bldg
University Park, PA 16802 USA

Maria Teresa Hortalá Gonzalez
Sec. Departam. de Inform. y Autom.
Fac. Matem. Univ. Complutense
Madrid (Spain)

Dr. Jaime Ihoda
Inst. of Math. & Computer Sc.
Givat Ram, 91904 Jerusalem
Israel

Prof. Gerhard Jaeger
Institut für Informatik, CLW C3
Eidgenössische Techn. Hochschule
ETH-Zentrum
CH-8092 Zürich, Suiza

Dr. R. Jansana
Via Augusta 277
08017 Barcelona, España

Dr. I. Jókisz-Zabilska
Mathem. Dept. Univ. Warsaw
PKIN IXp
00-901 Warszawa Polonia

WEDNESDAY 22

16.30

ROOM 1 : CHAIRMAN: Prof. J. FLUM

Paolo Lipparini (University of Tor Vergata, Rome): (λ^+, λ^+) -
Compactness implies a Weak Form of (λ, λ) -compactness
(1) — Enrique Casanovas Ruiz-Fornells (Dept. Lòg. Hist. y Fil. Cca., Univ. Barcelona):
Compact Models
Leonardo Pasini (Univ. di Camerino, Italy) and Carla Marchib (Univ. di Siena):
The Rank of ϕ -Hardy Fields in Several Variables

FREE

ROOM 2: CHAIRMAN: Prof. J. FENSTAD

(2) Ding Decheng (Dept. of Mathem. Nanjing University): The Pseudo Meet-accessible Nonbranching Degree
* Peter N. Gabrovsky (Dept. of Computer Science, Univ. of Southern Maine, USA):
On the Role of Selection Operators in General Recursion Theory

FREE

ROOM 3: CHAIRMAN: Prof. I. JANE

L. Turi (Faculty of Civil Engineering, Subotica, Yugoslavia): About
the Completeness of Lattice Valued Logics
M. Van Lambalgen (Dept. of Math., Univ. of Amsterdam): How Random is a
Random Sequence?

FREE

THURSDAY 23

16.30

ROOM 1: CHAIRMAN: Prof. P. KOEPKE

- Yechiel Kimchi (Univ. of Jerusalem): Full-Homogeneity, How stronger it is comparing to Weak-Homogeneity?
- I.P. Van den Berg (Econometric Inst., Univ. of Groningen): Descriptive Set Theory and Nonstandard Asymptotics
- Danielle Gondard (Univ. Paris VI): Chain Closed Fields: Axiomatizations and 17th Hilbert's Problem

BREAK

- Elisabeth Bouscaren: Model Theory of elementary pairs of models
- Roman Murawski (Instytut Matematyki UAM, Poland): Definable Expansions of Models of Peano Arithmetics
- APR Robin O. Gandy (Fac. of Math., Univ. Oxford): Completely Finite Models for Number Theory

ROOM 2 : CHAIRMAN: Prof. G. JAEGER

- * Misuhiro Okada (Dept. of Computer Sc., Univ. of Illinois): The Logical of Term Rewrite Systems and Computation of Equational Theories
- Michel de Rougemont (European Computer-Industry Research Centre, München): Constructive Uniform Proofs on Finite Structures
- * Anita Wasilewska (Computer Sc. Dept., State Univ. of New York): Linguistically Definable Concepts and Dependencies

BREAK

- Andrzej Pelc (Dépt. d'Informatique, Univ. du Québec): Searching Games with Constant Error Probability
- * Marek Piotrow (Inst. of Computer Sc. Univ. of Wrocław, Poland): A Note on Approximate Counting

Dr. W. Guzicki
 Ins. Mat. Uniw. Warszawski
 PKIN IXp 00-901
 Warszawa, Poland

Theodore Hailperin
 Dep. Math. Leigh Univ.
 Christmas-Saucon Hall 14
 Bethlehem, Penn 18015 USA

Lars Hallnäs
 Swedish Inst. of Computers Sc.
 Stockholm

Dr. Feng Hangquiao
 Dep. Math. Shaanxi Normal Univ.
 Xian Shanaxi P.R. China

Victor Harnik
 Dept. of Math. Univ. of Haifa
 Mount Carmel Haifa 31999
 Israel

Lauri Hella
 Dept. Mat. Univ. Helsinki
 Hallituskatu 15
 00100 Helsinki, Finland

E. Hernandez
 5 Gillian Street
 London SE13 7AH Inglaterra

Manuel Hernandez Iglesias
 Lavapiés 46,3 1
 28012 Madrid España

Bernhard Herwig
 Math. Inst. A-Ludwig-Univ.
 Albertstrasse 23 b
 D-7800 Freiburg, Alemania

Joran Hirshteld
 Dep. of Math.
 Tel Aviv University
 Tel Aviv, Israel

Prof.M. Garrido
Joaquin Maria Lopez 68
28015 Madrid (Spain)

Javier Gea Izquierdo
Tejeiro 23,1 B
18005 Granada (Spain)

Dr. M. Giraudet
32 Rue de la Reunion
75020 Paris Francia

Danielle Gondard
Acad.Paris. Univ.Paris VI
4 Pl.Jussieu
75252 Paris Cedex 05 Francia

Dr.F.W. Gorgy
Dep.Math.Faculty of Science
Cairo University
Giza Egipto

Ibrahim Garro
Nayel Amiri st.39
Aleppo Syria

Gunter Geisler
Kaiserstrasse 57
D-53 Bonn 1, Germany

Mauro Giudici
Via Guinizelli 13
20100 Milano Italia

Valentin Goranko
Sector of Math.Logic, Fac.Math.
blvd. Anton Ivanov 5
Sofia 1126, Bulgaria

Tonella Guido
Via Grado,7
Milano Italia

ROOM 3 : CHAIRMAN: Prof. L.M. VALDES

Chris Brink: A Verisimilar Ordering of Theories Phrased in a Propositional Language
Huberto Marraud (Dept.de Lógica, Univ.Autónoma de Madrid): General Relational Semantics for Lukasiewicz's Logics
Susana Nuccetelli (Univ.Autón.Madrid): Sobre la posibilidad de una lógica ilocutiva

BREAK

Stephen Neale & Peter Ludlow (Stanford University): Russellian Indefinites, Russellian "Anaphors"
Gian Arturo Marco: Semantic Processes and Negation
Rafael Crespo (Univ.Autón.,Madrid): Análisis de las oraciones de creencia en castellano

FRIDAY 24

16.30

ROOM 1 : CHAIRMAN: Prof. J. IHODA

Paola D'Aquino: Topological Duality of Diagonalizable Algebras
Ibrahim Garro: Problems in Systems of Mathematical Induction
Francisco J. Gea: Preciss of "Toward a Theory of Reversibility"

BREAK

Marcin Mostowski (Warsaw Univ): Pure Logic with Branched Quantifiers
Prati Nando (Dip.di Matem.,Univ.Pisa): An Axiomatization of Fuzzy Set Theory

ROOM 2 : CHAIRMAN: Prof. St.C. SIMPSON

Franco Montagna: Self reference and speed up

Zarko Mijajlovic: Restricted Generalized Quantifiers

Francesc Tomás: Recursive Formalisms and Arithmetic

BREAK

Michel Bonnard (Univ. de Perpignan): Une formulation elementaire du principe de recursion

Juha Oikkonen and Jouko Väänänen (Univ. of Helsinki): Generalized Induction and Uncountable Games

ROOM 3 : CHAIRMAN: Prof. L. VEGA

Giovanna Corsi (Dipartimento di Filosofia, Firenze): On Dummett's LC Quantified

Gyula Klima (Magyar Tudományos Akademia, Budapest): The Inherence Theory of Predication - An old theory in a new perspective

José M. Méndez (Dept.de Lógica, Univ. de Salamanca): E-Mingle has the Variable-Sharing Property

BREAK

Annon Avron (Laboratory for Foundation of Computer Science, University of Edinburgh): The Method of Hypersequents in Many-valued Logic

Piotr Borowik (Institute of Mathematics, Pedagog. Univ. of Czestochowa, Poland): Multi-valued n-Sequential First Order Predicate Logic

J.M. Font

Dept.de Logica,Hist.y Fil.Ccia.

Fac.de Matem. Univ.de Barcelona

08007 Barcelona España

Prof.Dr. J. Flum

Mathem. Inst. Univ. Freiburg

Albertstr. 23B

Freiburg 18, Alemania

Dr.R. Frankiewicz

Ins.Mathem.of Polish Acad.of Sc.

Sniadeckich 8

00950 Warsaw Polonia

María José Frápolli

Dept.de Filosofia

Universidad de Granada

Granada (Spain)

Antonio Frías Delgado

Ctra.de Cadiz 6. San Carlos 2,9 A

29003 Malaga España

Dr.Shen Fuxing

Mathem.Ins.Univ.Heidelberg

Im Neuenheimer Feld 288

D-6900 Heidelberg Alemania

Peter N. Gąbrowsky

Dept.of Comp.Sc.Univ.of South.Maine

96 Falmouth St., Portland

ME 04103 USA

Prof. Robin O. Gandy

Faculty of Mathematics

Oxford University

Oxford, England

Prof.C. Garcia Trevijano

Joaquin Maria Lopez 68

28015 Madrid (Spain)

G.K. Gargov

Fac.of Mathem.& Mech.

blvd.A.Ivanov 5

1126 Sofia, Bulgaria

Prof. Ding Deheng
Dept. of Mathematics
Nanjing University
Nanjing (China)

Carlos Augusto Di Prisco
Inst. Venez. Invest. Científicas
Dept. de Matem., Apartado 21827
Caracas 1020-A Venezuela

Prof. Frank R. Drake
School of Mathematics
University of Leeds
Leeds LS2 9JT Inglaterra

Rafael Farré Cirera
Facultad de Matemáticas
Universidad Central de Barcelona
Barcelona España

Prof. J. Fernandez Prida
Dept. Lógica, Fac. Filosofía
Universidad Complutense Edif. A
Madrid (Spain)

Dr. F. Delon
U.E.R. de Mathem. Paris 7
45-55 5th etage/2 Pl. Jussieu
75251 Paris CEDEX 05

Antonio J. Dieguez Lucena
Dep. Filosofía Fac. Filosofía
Campus de Teatinos, Univ. Málaga
Málaga (España)

H.D. Ebbinghaus
Math. Inst. A-Ludwigs-Univ.
D-7800 Freiburg
Alemania

Prof. J. Fenstad
Institut of Mathematics
University of Oslo
Oslo, Noruega

Fernando Ferreira
215 Mc Allister Bld.
University Park
PA 16802, USA

LISTA DE PARTICIPANTES

Prof. J.J. Acero
Dept. de Filosofía
Fac. de Letras, Univ. Granada
Granada (Spain)

Ms.S. Allegri
Via Pastorelli 4/A
20143 Milano Italia

Jose Antonio Alonso Jimenez
Universidad de Sevilla
Facultad de Matemáticas
Tarifa s/n
41012 Sevilla

Enrique Alonso Gonzalez
Batalla de Belchite 14, 3.B
28045 Madrid España

Mr. F. Appenzeller
Maison Suisse-ch. 315 7k Bd. Jourdan
F-75690 Paris-Cedex 14 Francia

S.N. Artemov
Steklov Math. Institute
Vavilov Str. 42
117966 Moscow GSP-1 URSS

Arnon Avron
Lab.Found.of Comp.Sc. Univ.Edinburgh
Edinburgh EH9 3JZ Escocia

John T. Baldwin
University of Illinois
Chicago USA

Juan Barba Escriva
Arganda 4, 3. B
28005 Madrid

Prof.Rafael Beneyto
Dep.de Logica, Fac.Filosofia
Universidad de Valencia
Valencia (Spain)

Dr.P. Borowik
Institute of Mathematics
Pedagogical Univ.of Czestochowa
42-200 Czestochowa, Poland

Prof.Calixto Badesa
Dep.Logica, Fac.Filosofia
Univ.Central de Barcelona
08028 Barcelona (Spain)

Edoardo Ballo
Via Marcantonio Dal Re 24
20156 Milano Italia

Dr.L. Belair
Univ.Paris VI/U.E.R. de Mat.
Tour 45.55-5th e. 2 Pl.Jussieu
75251 Paris

Michel Bonnard
Univ.de Perpignan. Fac.de Mat.
Avenue de Villeneuve
66025 Perpignan Cedex

Prof. Chris Brink
Dept.Math. Univ.of Cape Town
Rondebosch 7700
Cape Town (Rep.de Suráfrica)

Dr.N. Brunner
Inst.för Mathem.
Gregor-Mendel-Strasse 33
A-1180 Wien, Austria

Begoña Carrascal
Dep.de Lógica y Fac.de la Ciencia
Universidad del País Vasco
Aitzgorri 71
20008 San Sebastian España

Eoin Coleman
Inst.of Math. Hebrew Univ.
Givat Ram, Jerusalem 91904 Israel

Cristina Conredor Lamas
Concha Espina 17
28016 Madrid España

Rafael Crespo Arce
Villa Marin 43,10 G
28029 Madrid (Spain)

Camino Caffón Loyes
Facultad de Filosofía
Univ. Pontificia de Comillas
Madrid (Spain)

Enrique Casanovas Ruiz-Fornells
Dept.Lógica, Fac.Filosofia
Universidad Central
Barcelona, España

Luis-Jaime Conredor
Kurfurstenstr. 74
5300 Bonn 1 (Germany)

Giovanna Corsi
Dipartimento di Filosofia
Via Bolognese 52
50139 Firenze Italy

Prof.N. Cutland
Dep.of Pure Mat. Univ.of Hull
Nottingham Road
Hull HU6 7RX Inglaterra