

From Sets and Types to Topology and Analysis  
*Towards Practicable Foundations for Constructive Mathematics*  
12–16 May 2003, San Servolo, Venice, Italy

## List of participants and talks

PETER ACZEL (University of Manchester, United Kingdom),  
*General topology in constructive set theory.*

EVI AIGNER (Universität München, Deutschland),  
*A finite dimensional approach to the Cameron-Martin space by methods of model theory.*

ANDREJ BAUER (Univerza v Ljubljani, Slovenja),  
*Countably based spaces in realizability models.*

JOSEF BERGER (Universität München, Deutschland)

LARS BIRKEDAL (IT-Højskolen i København, Danmark)

VASCO BRATTKA (Universität Hagen, Deutschland),  
*Computable graph theorems.*

DOUGLAS S. BRIDGES (University of Canterbury, Christchurch, New Zealand  
and Universität München, Deutschland),  
*Recent work on the constructive theory of apartness spaces.*

CARSTEN BUTZ (IT-Højskolen i København, Danmark)

ANDREA CANTINI (Università di Firenze, Italia),  
*A footnote to a theorem of Intrigila and Statman: an application to Feferman's explicit mathematics.*

JESPER CARLSTRÖM (Stockholms Universitet, Sverige),  
*Descriptions in type theory.*

JEREMY CLARK (Paris, France),  
*A constructive Schwarz reflection principle.*

GIOVANNI CURI (Università di Siena, Italia)

DAVE DEVIDI (University of Waterloo, Canada),  
*Choice principles and constructive logics.*

PIETRO DI GIANANTONIO (Università di Udine, Italia)

ROY DYCKHOFF (University of St. Andrews, United Kingdom)

MARTÍN ESCARDÓ (University of Birmingham, United Kingdom),  
*Imaginary locales.*

NICOLA GAMBINO (University of Cambridge, United Kingdom),  
*Wellfounded trees and analytic functors.*

SILVIA GEBELLATO (Universität München, Deutschland)

GUIDO GHERARDI (Università di Bologna, Italia)

ROBIN HAVEA (University of the South Pacific, Fiji)  
*A constructive approach to Sinclair's theorem.*

ROSALIE IEMHOFF (Technische Universität Wien, Österreich),  
*Admissible rules of constructive theories.*

HAJIME ISHIHARA (Japan Advanced Institute of Science and Technology),  
*Constructive reverse mathematics.*

GERHARD JÄGER (Universität Bern, Switzerland),  
*Fixed points in admissible set theory and explicit mathematics.*

FELIX JOACHIMSKI (Universität München, Deutschland)

MARTIN KÜBLER (Universität München, Deutschland)

HENRI LOMBARDI (Université de Franche-Comté, Besançon, France),  
*An example of deciphering a proof in abstract algebra.*

DARIO MAGUOLO (Università di Venezia, Italia)

MILLY MAIETTI (Università di Padova, Italia),  
*Exponentiation in formal topology.*

PER MARTIN-LÖF (Stockholms Universitet, Sverige)

RASMUS MÖGELBERG (IT-Højskolen i København, Danmark)  
*A category-theoretic model of Abadi-Plotkin's logic for parametricity.*

SARA NEGRI (Helsingin Yliopisto, Finland),  
*Proof theory of lattice theory.*

HORST OSSWALD (Universität München, Deutschland),  
*Is infinite dimensional stochastic analysis equivalent to finite dimensional analysis?*

ERIK PALMGREN (Uppsala Universitet, Sverige),  
*Maximal and partial points in formal topology.*

DIRK PATTINSON (Universität München, Deutschland),  
*Infinite objects in recursion theory.*

HERVÉ PERDRY (Université de Franche-Comté, Besançon, France  
and Universidad de Cantabria, España)

JAN VON PLATO (Helsingin Yliopisto, Finland),  
*The duality of dependent types and degenerate cases.*

MICHAEL RATHJEN (Ohio University, USA and University of Leeds, United Kingdom),  
*Notions of realizability for constructive set theory.*

GIUSEPPE ROSOLINI (Università di Genova, Italia),  
*A category-theoretic analysis of formal topology.*

GIOVANNI SAMBIN (Università di Padova, Italia),  
*Developing mathematics predicatively: some benefits.*

HELMUT SCHWICHTENBERG (Universität München, Deutschland)  
*Witnesses in constructive analysis.*

MONIKA SEISENBERGER (University of Wales Swansea, United Kingdom),  
*On the constructive content of proofs.*

ANTON SETZER (University of Wales Swansea, United Kingdom),  
*Final coalgebras and the  $\mu$ -operator.*

ALEX SIMPSON (University of Edinburgh, United Kingdom),  
*Some thoughts on constructive set theory.*

JAN SMITH (Chalmers Tekniska Högskola, Sverige)

GIOVANNI SOMMARUGA (Université de Fribourg, Switzerland)

BAS SPITTERS (Katholieke Universiteit Nijmegen, Nederlanden),  
*Formalizing constructive mathematics.*

DIETER SPREEN (Universität Siegen, Deutschland),  
*On the effective continuity of effective multifunctions.*

JACK STECHER (University of Minnesota, USA),  
*Formal topology and rational economic agents.*

THOMAS STREICHER (Technische Universität Darmstadt, Deutschland),  
*Universes in toposes.*

HIROKI TAKAMURA (Japan Advanced Institute of Science and Technology),  
*A constructive version of the Gelfand Naimark Segal construction theorem.*

SILVIO VALENTINI (Università di Padova, Italia)

WIM VELDMAN (Katholieke Universiteit Nijmegen, Nederlanden)

STEVE VICKERS (University of Birmingham, United Kingdom),  
*Yet again: the Tychonoff theorem.*

LUMINIȚA S. VÎȚĂ (University of Canterbury, Christchurch, New Zealand),  
*Separatedness in apartness spaces.*

KLAUS WEIHRAUCH (Universität Hagen, Deutschland)

SATORU YOSHIDA (Japan Advanced Institute of Science and Technology),  
*The completion of the space  $D(\mathbb{R})$  in constructive analysis.*

JÚLIA ZAPPE (Universität München, Deutschland)

### **Organisers**

LAURA CROSILLA (Universität München, Deutschland)

PETER SCHUSTER (Universität München, Deutschland)