

PMP2002 program  
**Thursday 24 October 2002**

9.30-10.45: *WELCOME* (D.1.08)

10.45-11.00: *CONFERENCE OPENING and PRACTICAL INFORMATION* by the organizers (D.2.01)

11.00-11.35: *INTRODUCTORY SPEECH* by the chairman (D.2.01)

11.35-12.45: *SESSION 1 LECTURE IS1* (plenary, D.2.01, chair: Jean Paul Van Bendegem)

**Reuben Hersh** (Emeritus University of New Mexico)  
*Who studies mathematical practice, and how is it to be studied?*

12.45-14.45: *LUNCH* (STOA)

14.45-16.30: *SESSION 2 – Growth of Mathematical Knowledge* (parallel, D.2.01, chair: Reuben Hersh)

14.45-15.20: *LECTURE CS1*  
**Andrew Aberdein** (University of Brunei)  
*Mathematical Argumentation: A Pragma-Dialectical Approach*

15.20-15.55: *LECTURE CS2*  
**Madeline Muntersbjorn** (University of Toledo, OH)  
*Mathematical Progress as Increased Scope*

15.55-16.30: *LECTURE CS3* - cancelled  
**Otávio Bueno** (University of South Carolina)  
*Incommensurability in Mathematics*

14.40-16.30: *SESSION 3 – Foundations of Mathematics* (parallel, D.1.08, chair: Erik Myin)

14.45-15.20: *LECTURE CS4*  
**Ron Rood** (Vrije Universiteit Amsterdam)  
*Proof and Cognition*

15.20-15.55: *LECTURE CS5* - cancelled  
**Istvan Danka** (Hungarian Academy of Sciences)  
*Could a Wittgensteinian Philosophy of Mathematics Reply to Gödel?*

15.55-16.30: *LECTURE CS6*  
**Mark van Atten** (Katholieke Universiteit Leuven)  
*Choice Sequences in Brouwer and Martin-Löf*

16.30-16.50: *COFFEE BREAK* (D.2.01)

16.50-18.00 *SESSION 4 LECTURE IS2* (plenary, D.2.01, chair: Madeline Muntersbjorn)

**Jill Adler** (University of the Witwatersrand, South Africa)  
*Mathematical Practices within and across School Contexts*

18.00 *END*

PMP2002 program  
**Friday 25 October 2002**

9.30-10.40: *SESSION 5 LECTURE IS3* (plenary, D.2.01, chair: Brendan Larvor)

**Robert Thomas** (University of Manitoba, Canada)  
*The comparison of mathematics to narrative*

10.40-11.00: *COFFEE BREAK* (D.2.01)

11.00-12.45: *SESSION 6 – Pictures in Mathematics* (parallel, D.2.01, chair: Erik Weber)

11.00-11.35: *LECTURE CS7*

**Ian Dove** (Rice University, Houston TX)  
*Mathematical Proofs and Pictures: Reconceptualizing the Role of Diagrams in Proofs*

11.35-12.10: *LECTURE CS8*

**Catherine Womack** (Bridgewater State College, MA)  
*Pictures, Plausibility and Explanation in Mathematics*

12.10-12.45: *LECTURE CS9*

**Haroun Amira and Sonja Smets** (Brussels University, Belgium)  
*The Operational Motivation for Modelling Quantum Physical Systems by Means of a Non-Boolean Algebra*

11.00-12.45: *SESSION 7 – Applicability of Mathematics* (parallel, D.1.08, chair: Sal Restivo)

11.00-11.35: *LECTURE CS10*

**Sandy Berkovski** (Oxford University, UK)  
*Surprising User-friendliness*

11.35-12.10: *LECTURE CS11*

**Erika Mattila** (University of Helsinki, Finland)  
*Trust in Mathematical Practices: Case-study of Interdisciplinary Modelling in Biometry*

12.10-12.45: *LECTURE CS12*

**Alan Baker** (Xavier University, OH)  
*Applied Mathematics and Maximizing Principles*

12.45-14.45 *LUNCH* (STOA)

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**Friday 25 October 2002**

14.45-15.55 *SESSION 8 – Mathematics Education* (parallel, D.2.01, chair: Jill Adler)

14.45-15.20: *LECTURE CS13*

**Anthony and Dominic Peressini** (Marquette University / University of Colorado)  
*Philosophy of Mathematics and Mathematics Education: The Confluence of Mathematics and Mathematical Activity*

15.20-15.55: *LECTURE CS14*

**Ad Meskens** (Antwerp Polytechnic, Belgium)  
*Reflections on the Importance of a Journal for Mathematics Teachers*

14.45-15.55 *SESSION 9 – History of Mathematics* (parallel, D.1.08, chair: Eduard Glas)

14.45-15.20 *LECTURE CS15*

**Brendan Larvor** (University of Hertfordshire, UK)  
*The Emancipation of Algebra from Geometry*

15.20-15.55: *LECTURE CS16*

**Roman Murawski** (Adam Mickiewicz University, Poland)  
*Philosophical Reflections on Mathematics in Poland between the Wars*

15.55-16.15 *COFFEE BREAK* (D.2.01)

16.15-17.25 *SESSION 10 LECTURE IS4* (plenary, D.2.01, chair: Robert Thomas)

**Jody Azzouni** (Tufts University, MA)  
*How and Why Mathematics is Unique as a Social Practice*

18.30- *CONFERENCE DINNER* (STOA)

PMP2002 program  
**Saturday 26 October 2002**

10.30-10.50: *COFFEE* (D.2.01)

10.50-12.00: *SESSION 11 LECTURE IS5* (plenary, D.2.01, chair: Sonja Smets)

**Eduard Glas** (Technische Universiteit Delft, The Netherlands)  
*Mathematics as Objective Knowledge and as Human Practice*

12.00-14.00 *LUNCH* (STOA)

14.00-15.45: *SESSION 12 – The Meaning of Mathematics* (parallel, D.2.01, chair: Jody Azzouni)

14.00-14.35: *LECTURE CS17*  
**Mary Leng** (St John's College, Cambridge)  
*Mathematical Practice as a Guide to Ontology*

14.35-15.10: *LECTURE CS18*  
**Nataliya Proskura and Vladislav Shapiro** (Berlin / Cyphermint Inc., MA)  
*Ancient Philosophy as a Source of Aesthetics in Mathematics*

15.10-15.45: *LECTURE CS19*  
**Erik Myin and Bart Van Kerkhove** (Brussels University, Belgium)  
*Skillful Perception in Mathematics: a Case for Epistemological Priority*

14.00-15.45: *SESSION 13 – Mathematical Methodology* (parallel, D.1.08, chair: Gustaaf C. Cornelis)

14.00-14.35: *LECTURE CS20*  
**Lieven Decock** (Tilburg University, The Netherlands)  
*Epistemic Virtues in Mathematics*

14.35-15.10: *LECTURE CS21*  
**Don Fallis** (University of Arizona)  
*What Do Mathematicians Want? Probabilistic Proofs and Epistemic Goals of Mathematicians*

15.10-15.45: *LECTURE CS22*  
**Erik Weber and Liza Verhoeven** (Ghent University, Belgium)  
*Explanatory Proofs in Mathematics*

15.45-16.05 *COFFEE BREAK* (D.2.01)

16.05-17.15: *SESSION 14 LECTURE IS6* (plenary, D.2.01, chair: Jean Paul Van Bendegem)

**Sal Restivo** (Rensselaer Polytechnic Institute, NY)  
*Theory of Mind, Social Science, and Mathematical Practice*

17.15-17.30 *CONCLUDING REMARKS* by the chairman (D.2.01)

17.30- *DRINK* (downtown Brussels)