

**THE INSTITUTE OF THE STUDY OF SOCIETIES AND  
KNOWLEDGE AT THE BULGARIAN ACADEMY OF  
SCIENCE**

**And**

**THE DEPARTMENT OF PHILOSOPHY AT THE  
UNIVERSITY OF LIEGE**

**Organize**

***AN INTERNATIONAL WORKSHOP***

# **Mathematics in philosophy II**

**27<sup>th</sup> November 2015**

**Université de Liège**

*Espace Philo*

3<sup>e</sup> étage place du XX Août

4000 LIEGE

**Organisators :** F. BEETS (ULg, Belgium), S. MAZURKEWICZ (ULg, Belgium/Dresde, Germany), V. PETROV (Bulgarian Academy of sciences, Bulgaria)

**Sponsors:** WBI, Bulgarian Science Fund at the Bulgarian Ministry of Education and Science, CNRL, ULg

**27<sup>th</sup> November 2015**

*Morning session*

**Moderator:** Prof. DSc. Vesselin Petrov

**9h00-09h15**

Welcome

**09h15-09h30**

Introduction

**Prof. Laurence BOUQUIAUX**, (ULg, mathematician, physicist and philosopher, head of the department of philosophy)

**09h30-10h15**

**Prof. Bruno LECLERQ** (ULg)

*Are diagrams dispensables in proof?*

**10h15-11h00**

**Prof. Georges HANSOUL** (ULg, Dpt. of Mathematics)

*Mereotopological distributive lattices*

**11h00-11h15**

**Coffee break**

**11h15-12h00**

**Prof. Pascal GRIBOMONT** (ULg)

*A favourable mathematical point of view on Aristotelian and Scholastic syllogisms*

**12h00-14h00**

**Lunch**

*Afternoon session*

**Moderator:**

**14h00-14h45**

**Prof. F. BEETS** (ULg)

*Point-free geometry in Xth century Arabic philosophy*

**14h45-15h45**

**Prof. Vesselin PETROV** (Bulgarian Academy of Sciences)

*Bernard Bolzano as predecessor of contemporary mathematics in the field of continuum*

**15h45-16h00**

Coffee break

**16h00-16h45**

**Prof. Engelsina TUSSEVA** (Bas, Bulgaria)

*Philosophy of mathematics: bad drawings, good reasoning*