

16<sup>th</sup> INTERNATIONAL CONGRESS ON LOGIC, METHODOLOGY AND PHILOSOPHY OF SCIENCE AND  
TECHNOLOGY (CLMPST)  
5 – 10 August 2019

Host: CZECH ACADEMY OF SCIENCES, INSTITUTE OF PHILOSOPHY, PRAGUE  
Location: Faculty of Architecture, Czech Technical University in Prague

Details at: <http://clmpst2019.flu.cas.cz/>

**CONTRIBUTED SYMPOSIUM**

**Bolzano's Mathematics and the General  
Methodology of the Sciences**

**Thursday 8th August 2019 09.00 – 16.15**

**Organiser: Steve Russ, University of Warwick, UK**



**09.00 – 10.30 Concepts and methodology**

*Michael Otte:* Bolzano, Kant and the evolution of the concept of concept

*Annapaola Ginammi, Arianna Betti:* Bolzano's theory of ground and consequence and the traditional theory of concepts

*Paola Cantù:* Bolzano's requirement of a correct ordering of concepts and its inheritance in modern axiomatics

**11.00 - 12.30 The mathematical infinite and other problems**

*Johan Blok:* Did Bolzano Solve the Eighteenth Century Problem of Problematic Mathematical Entities?

*Kateřina Trlifajova:* Bolzano and the part-whole principle for infinite collections

*Elías Fuentes Guillén:* On Bolzano's early rejection of infinitesimals

**14.00 - 15.00 Mathematical manuscripts**

*Davide Crippa, Elías Fuentes Guillén, Jan Makovsky:* Bernard Bolzano's 1804 examination: mathematics and mathematical teaching in early 19th century Bohemia

*Jan Sebestik:* Looking at Bolzano's mathematical manuscripts

**15.15 - 16.15 Kinds of Numbers**

*Anna Bellomo:* Bolzano's measurable numbers: sets or sums?

*Peter Simons:* On the several kinds of number in Bolzano

Further details, and abstracts, of the above talks are at : <https://bernardbolzano.org/>