



## Conference: Varieties of Mathematical Abstraction

Place: August 1-3, 2018, Lecture Room 3D,  
Department of Philosophy, University of Vienna.

Organized by: Georg Schiemer, Francesca Biagioli and John Wigglesworth  
ERC Project: “The Roots of Mathematical Structuralism” (GA No 715222)

Day 1	
Wednesday   August 1, 2018	
9:00 (s.t.) – 9:15	<b>Opening</b>
9:15 – 10:15	<b>Øystein Linnebo (Universitetet i Oslo, NOR)</b>  <i>"Abstraction and Grounding"</i>
10:15 – 10:30	Tea/Coffee  Room C 0219, Kommunikationsraum
10:30 – 12:30	<b>Francesca Boccuni (Università Vita-Salute San Raffaele, ITA) and</b>  <b>Marco Panza (Université Paris 1 - Panthéon-Sorbonne, FRA /</b>  <b>Chapman University, USA)</b>  <i>"Abstraction for Real(s)! Frege's Theory of Real Numbers"</i>
12:30 – 14:30	Lunch
14:30 – 15:30	<b>Paolo Mancosu (UC Berkeley, USA)</b>  <i>"Neologist Foundations: Inconsistent Abstraction Principles and Part-Whole"</i>
15:30 – 15:45	Tea/Coffee  Room C 0219, Kommunikationsraum



15:45 – 16:45	<p><b>Maria Paola Sforza Fogliani (IUSS Pavia, ITA)</b></p> <p><b>and Luca Zanetti (IUSS Pavia, ITA)</b></p> <p><i>"For Better and for Worse: Abstractionism, Good Company, and Pluralism"</i></p>
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**Day 2 Thursday | August 2, 2018**

9:00 – 10:00	<p><b>Jean-Pierre Marquis (Université de Montréal, CAN)</b></p> <p><i>"A Concrete Take on the Abstract Method in Mathematics"</i></p>
10:00 – 10:15	<p>Tea/Coffee</p> <p>Room C 0219, Kommunikationsraum</p>
10:15 – 11:15	<p><b>Sam Roberts (Universitetet i Oslo, NOR)</b></p> <p><i>"Property Abstraction, Potentialism, and Truth"</i></p>
11:15 – 12:15	<p><b>John Wigglesworth (University of Vienna, AUT)</b></p> <p><i>"Modal Semantics for Structural Abstraction"</i></p>
12:15 – 14:15	<p>Lunch</p>
14:15 – 15:15	<p><b>Robert Knowles (University of Leeds, GB)</b></p> <p><i>"'Explanatory' Mathematical Abstraction in Science"</i></p>
15:15 – 15:30	<p>Tea/Coffee</p> <p>Room C 0219, Kommunikationsraum</p>
15:30 – 16:30	<p><b>Bahram Assadian (University of Amsterdam, NL)</b></p> <p><i>"Structure Abstraction and Pure Structures"</i></p>



Day 3	
Friday   August 3, 2018	
9:00 – 10:00	<b>Hourya Benis Sinaceur (Université Paris 1 - Panthéon-Sorbonne, FRA)</b>  <i>"Abstraction: philosophy and mathematics"</i>
10:00 – 10:15	Tea/Coffee  Room C 0219, Kommunikationsraum
10:15 – 11:15	<b>Erich Reck (UC Riverside, USA)</b>  <i>"Abstraction and Abstractionism in the Nineteenth Century"</i>
11:15 – 12:15	<b>Henning Heller (University of Vienna, AUT)</b>  <i>"Groups without Elements"</i>
12:15 – 14:15	Lunch
14:15 – 15:15	<b>Ansten Klev (Filosofický ústav Akademie věd České republiky, CZ)</b>  <i>"Definition by Abstraction from the Point of View of Martin-Löf Type Theory"</i>
15:15 – 15:30	Tea/Coffee  Room C 0219, Kommunikationsraum

For further information visit: <https://structuralism.phl.univie.ac.at/> or contact [florian.kolowrat@univie.ac.at](mailto:florian.kolowrat@univie.ac.at)