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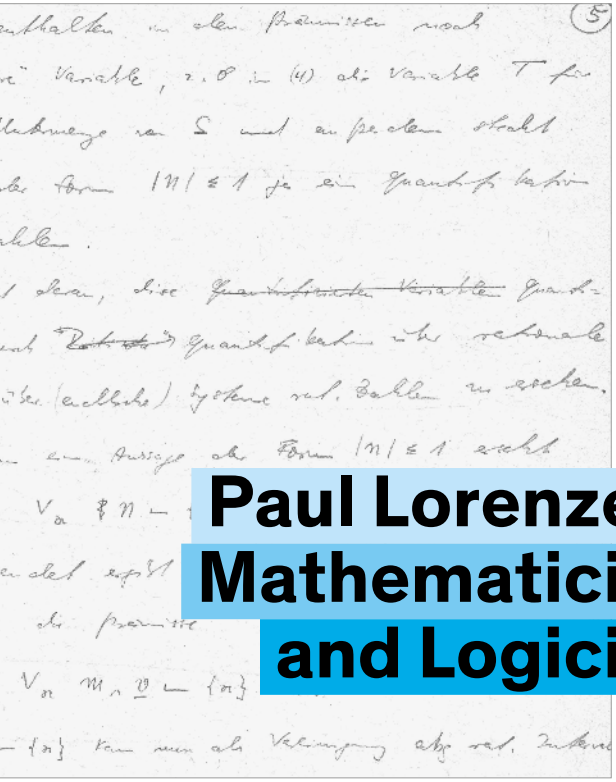

Paul Lorenzen: Mathematician and Logician

March 8th–9th, 2018

University of Konstanz, Room V 1001

– philosophisches-archiv.de

Thursday, 8th March 2018

9:00 a.m. **Welcome** of Vice-Rector of the University, Matthias Armgardt
Welcome of Gereon Wolters · University of Konstanz

Session I
Chair: Salma Kuhlmann · University of Konstanz

9:15 a.m. **Some contributions of Lorenzen to constructive mathematics and an application to constructive measure theory**
Thierry Coquand · University of Göteborg

10:15 a.m. **Lorenzen's work on lattice-groups and divisibility theory: from a classical celebrated result to relevant constructive rewriting**
Henri Lombardi · University of Bourgogne Franche-Comté

11:15 a.m. Coffee break

11:45 a.m. **Lorenzen's reshaping of Krull's Fundamentalsatz for integral domains (1939–1953)**
Stefan Neuwirth · University of Bourgogne Franche-Comté

12:45 p.m. Lunch

Session II

Chair: Wolfgang Spohn · University of Konstanz

2:00 p.m. **Extension by conservation**
Peter M. Schuster · University of Verona

3:00 p.m. **Modern set theory and Lorenzen's critique of actual infinity**
Carolin Antos · University of Konstanz

4:00 p.m. Coffee break

4:30 p.m. **The main problem of Grundlagenforschung**
Jan von Plato · University of Helsinki

5:30 p.m. **Lorenzen's consistency proof and Hilbert's larger programme**
Reinhard Kahle · New University of Lisbon

7:00 p.m. Dinner

Friday, 9th March 2018

Session III

Chair: Christian Thiel · University of Erlangen

9:00 a.m. **From Lorenzen's dialogue game to game semantics for substructural logics**
Christian Fermüller · TU Wien

10:00 a.m. **From proof-theoretical to interaction semantics: what does one gain?**
Mathieu Marion · University of Quebec at Montreal

11:00 a.m. Coffee break

11:30 a.m. **A circularity puzzle within the operative justification of logic and mathematics and a way out**
Shahid Rahman · University of Lille

12:30 p.m. Lunch – End of Meeting

Paul Lorenzen (1915–1994) was an outstanding philosopher from the latter half of the 20th century. His name is associated with the Erlangen School of Methodical Constructivism, of which the approach in linguistic philosophy and philosophy of science determined philosophical discussions especially in Germany in the 1960s and 1970s.

At that time, Lorenzen already had an international reputation as a brilliant mind in mathematics and logic. Focussing at first on abstract algebra, Lorenzen later turned his attention to foundational issues in logic and mathematics. His studies in this field are still highly regarded today and finally led to his concept of operative logic and mathematics, which in turn were the base for his philosophy later on.

This meeting focusses on integrating Lorenzen's original approach into the history of logic and mathematics.
We furthermore explore the options of how Lorenzen's systematical ideas can be implemented in today's debates on proof-theoretic semantics, databank management and stochastics.

Organizer

Philosophisches Archiv der Universität Konstanz

Contact and registration

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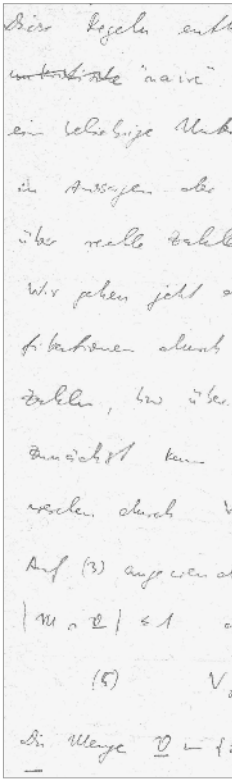
RSVP by February 28th, 2018.
Attendance is free, but registration is necessary. Charge for dinner on 8th March is € 35,– and has to be paid in advance. Please contact us!



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We thank for generously supporting the meeting:

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