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New perspectives on K- and L-theory

21 – 24 September 2020
online lecture series

Hermitian K-theory is the study of unimodular forms through the eyes of K-theory. In work of B. Calmès, E. Dotto, Y. Harpaz, F. Hebestreit, M. Land, K. Moi, D. Nardin, T. Nikolaus and W. Steimle, it was recently shown that there is a fibre sequence relating ordinary algebraic K-theory, hermitian K-theory (aka Grothendieck-Witt theory) and L-theory in a very general context.

The lectures will focus on these results. One lecture series focuses on Grothendieck-Witt theoretic aspects and one focuses on L-theoretic aspects.

Programme

**Markus Land (Copenhagen):
L-theory of rings via higher
categories**

Markus' talks will be streamed via Zoom on
Mon 21 September 4 - 5 pm,
Tue 22 September 4 - 5 pm,
Thu 24 September 4 - 5 pm,
(GMT+2), and made available via YouTube.

**Yonatan Harpaz (Paris 13):
New perspectives in hermitian
K-theory**

Yonatan's talk will directly be made available via YouTube.

Forum

Please join our online forum for questions and discussions of K- and L-theory around our two lecture series.

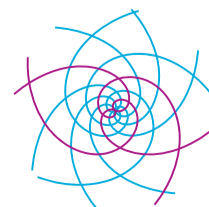
Organizers

Arthur Bartels
Thomas Nikolaus

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K-theory-2020](https://go.wwu.de/K-theory-2020)

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CRC 1442 GEOMETRY:
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AND RIGIDITY



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