

Schedule

Workshop on Ordered Vector Spaces and Positive Operators

29 March – 1 April 2023

CVJM-Bildungsstätte, Bundeshöhe 7, 42285 Wuppertal

Wednesday, 29 March

Afternoon Arrival

18:00 Dinner

20:00 - 22:00 Updates on latest developments in ordered vector space theory

Thursday, 30 March

08:00 Breakfast

Morning session

09:15 - 09:45 **Agnes Radl:**
Embeddability of positive matrices

10:00 - 10:30 **Marjeta Kramar Fijavž:**
Relatively uniform spectral theory for operators on vector lattices

10:30 - 11:00 Coffee break

11:00 - 11:45 **Patrick Hermle:**
Uniformly ergodic semigroup representations on Banach lattices

12:15 - 13:45 Lunch

Afternoon session

14:00 - 14:30 **Cormac Walsh:**
Order and metric structures on cones

14:45 - 15:30 **Kieran Power:**
Compactification of symmetric cones under the Hilbert metric

15:30 - 16:00 Coffee break

16:00 - 16:30 **Julian Hölz:**
Uniform almost periodicity of Banach lattice homomorphisms

16:45 - 17:15 **Sebastian Kaul:**
Criteria for positive spectral radii on Banach lattices and partially ordered Banach spaces

17:25 - 18:00 **Noa Bihlmaier:**
Köehler-Semigroups and the Cyclicity Problem

18:00 Dinner

Evening session

20:00 - 21:30 Group discussions: Open problems in positive operator theory and new methods to engage them

Friday, 31 March

08:00 Breakfast

Morning session

09:15 - 10:00 **Roman Drnovšek:**
The Huijsmans–de Pagter problem in ordered Banach algebras

10:00 - 10:30 Coffee break

10:30 - 11:15 **Marcel de Jeu:**
Free objects in algebraic and analytic categories

11:30 - 12:00 **Chun Ding:**
Direct limits in categories of normed vector lattices and Banach lattices

12:15 - 13:45 Lunch

Afternoon session

14:00 - 14:35 **Florian Boisen:**
Duality of Riesz* homomorphisms and interval preserving operators in ordered vector spaces

14:45 - 15:30 **Janko Stennder:**
Algebraic structures in pre-Riesz spaces

15:30 - 16:00 Coffee break

16:00 - 16:30 **Xingni Jiang:**
Positive dilation in order integrals

16:45 - 17:30 **Marko Kandić:**
Prime ideals in vector lattices

18:00 Dinner

Evening session

20:00 - 21:30 Group discussions: New challenges in ordered vector spaces and positive operators

Saturday, 1 April

08:00 Breakfast

Morning session

09:15 - 10:00 **Martin Weber:**
Cesàro Sequence Vector Lattices. Duals and Ideals of Finite Elements

10:15 - 10:45 **Elena Klimova:**
Goursat-type nonlocal problem for a fourth-order loaded equation

11:00 - 11:30 **Patrizio Bifulco:**
Comparing the spectrum of Schrödinger operators on quantum graphs

12:15 - 13:45 Lunch

Afternoon

Afternoon Departure
