Workshop
"Representations of supergroups"

July 1-5, 2024

organized by
Thorsten Heidersdorf, Catharina Stroppel

- **Monday, July 1**

08:45 - 09:00	*Self Registration*
09:00 - 10:00	**Kevin Coulembier**
	Prime ideals for Lie superalgebras
10:00 - 10:30	*Coffee Break*
10:30 - 11:30	**Victor Kac**
	Representations of minimal W-algebras: unitarity and modular invariance
11:30 - 12:00	**Steffen Schmidt**
	(Short talk)
	On the superdimension of unitarizable supermodules
12:00 - 14:30	*Lunch Break*
14:30 - 15:30	**Hadi Salmasian**
	Real forms, real representations, and the 10-fold way
15:30 - 16:00	*Coffee Break*
16:00 - 17:00	**Maria Gorelik**
	(Online)
	On root systems of Kac-Moody superalgebras

- **Tuesday, July 2**

09:00 - 10:00	**Jonathan Kujawa**
	Affine A-webs and their cyclotomic quotients
10:00 - 10:30	*Coffee Break and Group Photo*
10:30 - 11:30	**Jonas Nehme**
	The periplectic Lie superalgebra, KLR algebras and categorification
11:30 - 12:00	**Frantisek Marko**
	(Short talk)
	Blocks of periplectic supergroups in positive characteristic
12:00 - 14:30	*Lunch Break*
14:30 - 15:30	**Shifra Reif**
	A Gruson–Serganova Character Type Formula for the Periplectic Lie superalgebra
15:30 - 16:00	*Coffee Break*
16:00 - 17:00	**Andrew Manion**
	Tensor products of higher representations of $gl(1|1)+$
afterwards	*Reception*

- **Wednesday, July 3**

09:00 - 10:00	**Jae-Hoon Kwon**
	Crystal base for the quantum orthosymplectic superalgebras
10:00 - 10:30	*Coffee Break*
10:30 - 11:30	**Lev Rozansky**
	Quiver varieties for super-algebras $gl(m|n)$
11:30 - 12:00	**Lukas Bonfert**
	(Short talk)
	The Weyl groupoids of $sl(m|n)$ and $osp(r|2n)$
afterwards	*Lunch break and Trekking Siebengebirge*

- **Thursday, July 4**

09:00 - 10:00	**Siddharta Sahi**
	Supersymmetric Shimura operators and interpolation polynomials
10:00 - 10:30	*Coffee Break*
10:30 - 11:30	**Ian Musson**
	The Weyl groupoid in Type A, Young diagrams, Borel subalgebras and Cayley graphs
11:30 - 12:00	**Sin-Myung Lee**
	(Short talk)
	Towards quantum affine super duality
12:00 - 14:30	*Lunch Break*
14:30 - 15:30	**Alexander Sherman**
	Towards local representation theory for supergroups
15:30 - 16:00	*Coffee Break*
16:00 - 17:00	**Vera Serganova**
	Support variety for algebraic supergroups
17:00 - 17:30	**Sigiswald Barbier**
	(Short talk)
	Minimal representations and unitary representations for Lie supergroups

- **Friday, July 5**

09:00 - 10:00	**Jon Brundan**
	Isomeric Heisenberg and Kac-Moody categorification
10:00 - 10:30	*Coffee Break*
10:30 - 11:30	**Shun-Jen Cheng**
	Super Duality of Whittaker Modules and Finite W-(super)algebras
afterwards	*closing*