

WORKSHOP
INFINITE-DIMENSIONAL
REPRESENTATION THEORY AND GEOMETRY

April 25, 2025

Constructor University Bremen

Venue: ACC - seminar room 2.

Program:

10:00 - 11:00. **Valdemar Tsanov** (Constructor University and IMI-BAS Sofia)

Tensor categories of $\mathfrak{o}(V)$ -, $\mathfrak{sp}(V)$ -modules. Symmetries.

11:20 - 12:20. **Francesco Esposito** (Università degli Studi di Padova)

Geometric realizations of $GL(V)$ -modules for a Tate space V .

12:30 - 14:00. Lunch

14:15 - 15:15. **Ivan Penkov** (Constructor University)

On the category $\mathcal{INT}_k$ of $\mathfrak{gl}_\infty$ -modules.

15:45 - 16:45. **Pablo Zadunaisky** (Constructor University)

Filtrations on tensor products of $\mathfrak{gl}_\infty$ -modules.

19:00. Dinner

We are looking forward to meeting you at the workshop.