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## Short talk: Polydifferential Lie operad and applications

*Wednesday 11 January 2023 18:30 (25 minutes)*

I will present the operad  $O(Lie_d)$  obtained by applying a functor constructed by S. Merkulov and T. Willwacher to the operad  $Lie_d$  of (degree shifted) Lie algebras. Then I will show some applications and properties of said operad.

**Presenter:** WOLFF, Vincent (University of Luxembourg)