



Contribution ID: 35

Type: **Invited Talk**

## Modern discontinuous Galerkin methods for atmospheric physics

*Tuesday 8 October 2024 15:45 (30 minutes)*

This presentation will present some modern developments of discontinuous Galerkin (DG) methods such as structure-preserving schemes equipped with properties like entropy stability, kinetic energy as well as pressure equilibrium preservation and their impact on the robustness and efficiency of numerical simulations.

**Primary author:** RANOCHA, Hendrik (Johannes Gutenberg University Mainz)

**Presenter:** RANOCHA, Hendrik (Johannes Gutenberg University Mainz)

**Session Classification:** Numerical Mathematics A