

## The Gradient Flow of the Möbius Energy

**Simon Blatt**

KIT Karlsruhe, Germany

[simon.blatt@kit.edu](mailto:simon.blatt@kit.edu)

*Session: 11. Geometric Analysis and Related Topics*

In 1988 Fukuhara proposed the use of energies to deform knots into a standard form. In this talk will have a look at the most prominent knot energy, the Möbius energy introduced by Jun O'Hara. We will discuss new and wellknown results in this context focusing on a new  $\varepsilon$ -regularity result for the negative gradient flow and its consequences