

- ▶ representing the country of [Luxembourg](#)
- ▶ I am a **mathematician** interested in application of geometry, algebra and analysis in the [models of theoretical physics](#).
- ▶ came in contact with physicists (more precisely the group of **Julius Wess**) long time ago during and after my study time in Karlsruhe
- ▶ stayed in contact also when Wess moved to Munich.

MY RESEARCH

- ▶ **Quantization of Kähler manifolds**, Operator quantization, deformation quantization, moduli spaces
- ▶ **Relation to physics: e.g. quantization including fuzzy spaces, TQFT**
- ▶ **infinite dimensional Lie algebras, in particular multi-point Krichever-Novikov type algebras**
- ▶ **Relation to physics: conformal field theory (including quantization), global operator approach in CFT**

My Books

- ▶ **An Introduction to Riemann Surfaces, Algebraic Curves and Moduli Spaces**, 2nd enlarged edition, Theoretical and Mathematical Physics, Springer, 2007
- ▶ **Krichever–Novikov type algebras. Theory and Applications.** DeGruyther, 2014
- ▶ **Berezin-Toeplitz Quantization for Compact Kähler Manifolds. A Review of Results**, Advances in Mathematical Physics, Vol. 2010