



POSTDOC POSITION within the ERC-Advanced Grant

***“From Open to Closed Loop Optimal Control of PDEs”***

[Institute of Mathematics and Scientific Computing](#)  
University of Graz

**About the project:** The project addresses a broad spectrum in optimal control of PDEs and focusses on some of the most pressing topics: High dimensional Hamilton Jacobi Bellman equations arising in feedback control, non-smooth, and possibly non-convex optimal control and related computational techniques. The use of optimal control techniques in data science applications can be another focus point for the future collaborator’s research.

**Professional qualifications:** Doctoral degree in a mathematical branch of study. Solid knowledge in applied mathematics, including PDEs, with specialization in either analytical or computational techniques. Experience in the numerical treatment of *high-dimensional* partial differential equations is especially welcome. Alternatively, specialization in optimal control, calculus of variations, or optimization is highly appreciated.

**Contact person and grant holder:**

Prof. Karl Kunisch, University of Graz and Radon Institute, Austrian Academy of Sciences,  
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**Applications** with a detailed CV including a publication list and a *compact* statement of previous achievements and research interests should be sent to: [vanessa.peinhart@uni-graz.at](mailto:vanessa.peinhart@uni-graz.at).

**Application Deadline:** February 28, 2019