

Subject: Postdoc Position, Univ. of Graz

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Date: November 06, 2017

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 for deep learning 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.

Grant holder: Prof. Karl Kunisch, University of Graz and Radon

Institute, Austrian Academy of Sciences

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: January 15, 2018**

