



The international research training group "Optimization and Numerical Analysis for Partial Differential Equations with Nonsmooth Structures" (IGDK Munich- Graz), is funded by the German Research Foundation (DFG) and the Austrian Science Fund (FWF) and is associated with the four universities

Technische Universität München
Universität der Bundeswehr München
Karl-Franzens-Universität Graz Technische
Universität Graz

For its second funding period the IGDK invites applications for

- **1 doctoral position in Graz**

The dissertation projects cover, for instance, [developing numerical methods for variational image processing problems](#), [studying novel approaches for magnetic resonance fingerprinting](#), [shape optimization for fluid-structure interaction](#).

Applicants should hold a master's degree in mathematics or related areas with a strong background in one of the fields of numerics, optimization, or analysis.

Applicants are asked to submit a curriculum vitae, copies of certificates of academic qualifications, a copy of a degree thesis or of a peer-reviewed publication (if available) and two letters of recommendation. Additionally, the candidates are asked to inform themselves beforehand about the spectrum of the available PhD topics from the web page of the IGDK and to order them according to their interest, giving written explanations for their choice within the application letter.

The IGDK Munich-Graz aims to increase the proportion of female staff and especially encourages women to apply. This policy applies also to disabled persons.

Applications in English (main language of the IGDK) should be sent by email to info@igdk.eu, addressed to the speakers of the IGDK Munich-Graz, Prof. Dr. Boris Vexler and Prof. Dr. Karl Kunisch.

For further information about the scientific topics covered and the conditions for applications, please visit our website www.igdk.eu.