



TU Clausthal



UNIVERSITÉ
DE LORRAINE

**Numerical and Analytical Modeling of
Gas Mixing and Bio-Reactive Transport
during Underground Hydrogen Storage**

**Doctoral Thesis
(Dissertation)**

to be awarded under international thesis co-mentorship the degree

Doctor of Engineering (Dr.-Ing.)
approved by the Faculty of Energy and Economic Sciences,
Clausthal University of Technology

Docteur de l'Université de Lorraine
(Mention Mécanique et Energétique)

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Date of oral examination
July 3, 2017

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