

Markus Rabensteiner

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Personal Information

Date and place of birth January 25, 1987, Wolfsberg
Nationality Austria
Marital status living in partnership, 2 childs

Studies

Ph.D. in mechanical engineering
01/2013 – 03/2016 Graz University of Technology (A)
Ph.D. dissertation (in English)
Issue *Evaluation of CO₂ absorption solvents for post-combustion capture on the basis of pilot plant studies on a hard coal-fired power plant*
Supervisor Univ. Prof. DI Dr.techn Christoph Hochenauer

Master's degree in mechanical engineering and economic sciences with a focus on energy technology
10/2010 – 11/2012 Graz University of Technology (A)
11/2012 Master's thesis (in German)
Title *Alternative Arbeitsstoffgemische für Kompressions/Absorptions-Wärmepumpen für die Anwendung im Hochtemperaturbereich*
Supervisor Ao. Univ. Prof. DI Dr.techn. René Rieberer

Bachelor's degree in mechanical engineering and economic sciences
10/2007 - 10/2010 Graz University of Technology (A)
10/2010 Bachelor's thesis (in German)
Title *Auslegung und Konstruktion eines Rauchgaskühlers*

Professional experience

07/2023 - present Founder and Managing Director
Rabensteiner Engineering GmbH (A)

10/2022 – 06/2023 Head of thermal and process engineering, Project manager & Key researcher
4ward Energy Research GmbH (A)

04/2016 – 06/2022 Project manager & Senior researcher
4ward Energy Research GmbH (A)
Thermal systems, Fuel cells, Combustion, Flue gas cleaning, Machine Learning

01/2013 – 03/2016 Project assistant Graz University of Technology (A)
Institute of Thermal Engineering
Post-combustion CO₂ Separation from Coal-fired flue gases

10/2010 – 06/2011 Teaching assistant Graz University of Technology (A)
Institute of Thermal Engineering

07/2003 – 09/2009 Mondi Frantschach GmbH (A)
Practices in the amount of 20 months

School education

09/2001 – 06/2006 Higher technical school Wolfsberg (A)
A-level examination passed with distinction
09/1997 – 06/2001 Secondary modern school St. Gertraud (A)
09/1993 – 06/1997 Primary school St. Gertraud (A)

Awards

2015 VGB Innovation Award
For the investigation of CO₂ solvents at the post-combustion capture test facility on the Dürnrohr hard coal power plant

Skills

Languages German (native), English (business fluent)
Peer reviewing International Journal of Industrial Chemistry
Energy – The International Journal
Programming LabVIEW, C++, Aspen Plus Plus®, Matlab/Simulink, EES, Python, CFD
OpenFoam, EBSILON® Professional
CAD-software Pro Engineer 2001i² or Wildfire, CATIA V5, Auto CAD
Additional certificates Ability to lead an engineering office

Selected extra-curricular experience

Driving license B/F
Military service Fulfilled (11/2006 - 05/2007)
Sports Cycling, Climbing, Swimming