

<b>Dipl.-Ing. Sandra Zlabinger, BSc</b>
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Born 1992 in Amstetten (AUT)

**Education and employment:**

2010	A-levels at Gymnasium Amstetten
2011-2015	Bachelor's program <i>Mechanical Engineering</i> at University of Technology Graz
2012/2013	Summer trainee at ENERTEC - Naftz & Partner GmbH & Co KG, Graz
2012-2014	Student assistant at the Institute of Mechanics, University of Technology Graz
2013-2015	Project assistant at ENERTEC - Naftz & Partner GmbH & Co KG, Graz
2014	Summer trainee at Mondi Neusiedler GmbH, Hausmending
2015-2017	Master's program <i>Chemical and Mechanical Engineering</i> with specialization in <i>Energy and Process Engineering</i> at University of Technology Graz
2015-2016	Student employee at HyCentA Research GmbH, Graz
2017-2020	Junior Researcher at BIOENERGY 2020+ GmbH
since 2019	Doctoral program in technical sciences at the Institute of Automation and Control, University of Technology Graz Dissertation: "Modelling, simulation and control of absorption heat pumping systems"
since 2020	Researcher at BEST - Bioenergy and Sustainable Technologies GmbH, Graz

**Research topics:**

- Modelling and simulation of thermal, chemical and biotechnological processes
- Control of thermal, chemical and biotechnological processes

**Selected publications:**

Christopher Zemmann, Markus Deutsch, Sandra Zlabinger, Georg Hofmeister, Markus Göllles, Martin Horn; OPTIMAL OPERATION OF RESIDENTIAL HEATING SYSTEMS WITH LOGWOOD BOILER, BUFFER STORAGE AND SOLAR THERMAL COLLECTOR, Biomass & Bioenergy, submitted on 13.11.2019

Sandra Zlabinger, Viktor Unterberger, Markus Göllles, Martin Horn, Michael Wernhart, René Rieberer, MATHEMATICAL MODEL FOR MODEL-BASED CONTROL OF ABSORPTION HEAT PUMPING SYSTEMS, 2nd International Sustainable Energy Conference – ISEC 2020, Graz, submitted on 17.04.2020

Sandra Zlabinger, Viktor Unterberger, Markus Göllles, Martin Horn, Michael Wernhart, René Rieberer, DEVELOPMENT AND EXPERIMENTAL VALIDATION OF A LINEAR STATE-SPACE MODEL FOR ABSORPTION HEAT PUMPING SYSTEMS FOR MODEL-BASED CONTROL STRATEGIES, International Sorption Heat Pump Conference 2021, Berlin, submitted on 30.04.2020