



Person Detail Page

Prof.Dr. rer. nat. habil. Wolfgang Bessler

Room: STB0.15
Badstraße 24a
77652 Offenburg

<http://www.ees.hs-offenburg.de>

 0781 205-4653

 wolfgang.bessler@hs-offenburg.de

 Monday 09:45-11:15

Function

- Bachelor Umwelt- und Energieverfahrenstechnik UV, Professor*in
- Bachelorstudiengang Energiesystemtechnik ES, Professor*in
- Fakultät Maschinenbau und Verfahrenstechnik (M+V), Professor*in
- Institut für Angewandte Forschung, Mitglieder IAF
- Institut für Energiesystemtechnik (INES), Leiter*in
- Institut für Energiesystemtechnik (INES), Professor*in
- Masterstudiengang Energy Conversion & Management (M.Sc.), Professor*in
- Masterstudiengang Power and Data Engineering (M.Sc.), Professor*in

Lectures (current and previous semester)

- Batterie- und Brennstoffzellentechnik, M+V686
- Chemie, M+V641
- Chemielabor, M+V681

<https://www.ees.hs-offenburg.de/en/nc/team/person-detail-page/lsf/891/10/1865/>

27 Jun 2019 00:01:44

- Electrochemical Energy Conversion and Storage, M+V732
- Energiespeicherung, -umwandlung und -transport/Engery Storage, Conversion and Transport, M+V3047
- Neue Antriebe und Speicher, M+V648
- Prozesssimulation, M+V654
- Wärme- und Stofftransport, M+V437

Tasks

Battery and fuel cell technology, process simulation, chemistry

Office hours

Monday 09:45-11:15

Curriculum Vitae

Academic Career

Since 09/2012: Full professor for Process Simulation, Offenburg University of Applied Sciences, Department of Mechanical and Process engineering and Institute of Energy Systems Technology (INES)
since 04/2016: head of the Institute of Energy Systems Technology (INES)

05/2008-08/2012: Head of Modeling and Simulation group, German Aerospace Center (DLR) Stuttgart, Institute of Technical Thermodynamics
10/2009: Habilitation, Universität Stuttgart, Faculty for Thermal, Chemical and Biological Engineering
02/2010-01/2015: Head of

Helmholtz-University
Young Investigator Group
„Multi-scale modeling and
in-situ diagnostics for
solid oxide fuel cells",
University of Stuttgart and
DLR Stuttgart
01/2011-08/2012: Principal
investigator at the
Helmholtz-Institute Ulm
for Electrochemical Energy
Storage (HIU)

01/2004-04/2008:
Assistant professor (C1),
Universität Heidelberg,
Interdisciplinary Center
for Scientific Computing
(IWR), Prof. Jürgen
Warnatz

02-04/2006: Visiting
associate: California
Institute of Technology,
Prof. David G. Goodwin
02/2008: Habilitation,
Universität Heidelberg,
Faculty for Chemistry and
Earth Sciences.
Habilitation thesis:
"Electrochemistry and
Transport in Solid Oxide
Fuel Cells"

2000-2003: PhD student
and academic staff,
Universität Heidelberg,
Physikalisch-Chemisches
Institut (PCI), Prof. Jürgen
Wolfrum

02-05/2001 and 08-
09/2002: Visiting scientist,
Stanford University, Prof.
Ronald K. Hanson
2000-2003: Visiting
scientist (1-4 weeks):
Universität Göttingen;
Sandia National
Laboratories, Livermore,
CA; Volkswagen AG
Konzernforschung,

Wolfsburg; Chalmers
Technical University
Göteborg, Sweden; Lund
University, Sweden
06/2003: Award of PhD (Dr.
rer. nat.), Universität
Heidelberg, Physikalische
Chemie. Dissertation:
"Quantitative nitric oxide
concentration and
temperature imaging in
flames over a wide
pressure range with laser-
induced fluorescence"

**1994-2000: Study of
chemistry (Diploma) at
the Universities of
Freiburg, Heidelberg and
Montpellier (France)**

Research Focus

Research Projects

See research website of
Prof. Bessler.

Publications

Reviewed Papers

See research website of
Prof. Bessler.

Links

- bessler.info - Shortcut (easy to remember) to this page
- www.ees.hs-offenburg.de - Homepage research group
- www.lifsim.com - LIFSIM: Web-based tool for spectroscopy simulation