CURRICULUM VITAE

Runa T. HELLWIG, Dr
Associate Professor

Academic Qualifications

11/2005	**Dr.-Ing. degree** (Doctorate of Architecture),Technical University Munich, Germany
07/1995	**Dipl.-Ing. degree** in Civil Engineering (Master), University of Stuttgart, Germany

Current Position

Since 08/2014 **Associate Professor, Cluster Director SEEB**

National University of Singapore, Joint Appointment:
Solar Energy Research Institute of Singapore (SERIS), Cluster Solar and Energy Efficient Buildings (SEEB)
School of Design and Environment (SDE), Department of Building

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Previous Appointments

10/2009 – 08/2014	**Professor (tenured),** Augsburg University of Applied Sciences, Germany, Faculty of Architecture and Civil Engineering, Energy Efficient Design/ Building Climatology
09/2006 - 09/2009	**Group Leader (tenured)** Indoor Climate at the Fraunhofer Institute for Building Physics, Germany
11/2005 – 08/2006	**Research Scientist**, Fraunhofer Institute for Building Physics, Germany, Dep. of Indoor Environment
03/2004 - 03/2006	**Research Scientist**, University Hospital Jena, Unit Indoor Climatology, Germany
11/2002 - 02/2005	**Scientific Assistant**, University of Technology Munich, Faculty of Architecture, Chair for Building Climatology and Building Services, Germany
11/1999 - 10/2002	**Scientific Assistant /Lecturer**, University of Kassel, Faculty of Architecture, Chair for Building Services, Germany
02/1998 - 07/1998	**Visiting Scientist**, Norwegian University of Science and Technology, Dep. of Building Technology, Trondheim, Norway
08/1998 - 10/1999 08/1995 - 01/1998	**Research Scientist**, Fraunhofer Institute for Building Physics, Dep. of Heat Technology, Stuttgart, Germany

Boards

2013 – 2014 Chair of the Academic Senate, Augsburg University of Applied Sciences

2013 – 2014 Vice Chair of the University Supervisory Board

Since 2011 Member of the Advisory Board, the FGK Association (German Ventilation and Air-Conditioning Industry Association)

2011-2014 Chair, Working Group “Demand Controlled Ventilation” of the VDMA Association (German Engineering Federation), Section AMG (Automation and Management for Buildings) and the FGK Association (German Ventilation & Air-Conditioning Industry Ass.)

2006 – 2014 Chair, Working group “Indoor environment and Comfort“ of the FGK Association (German Ventilation and Air-Conditioning Industry Association

2006 – 2012 Expert, working group “Ventilation and Room Temperature” of the German Board for Work

Places, developing a revised rule on workplace temperature and workplace ventilation

Membership of Professional Societies

ISIAQ - International Society of Indoor Air Quality and Climate, Since 2014 Vice chair STC 33 Thermal Comfort
NCEUB - Network for Comfort and Energy Use in Building
VDI – The Association of German Engineers, Section Building and Building Services

Research Boards

2012-2013 Grant Advisory Board: Research Initiative „Future Building“ of the Federal Ministry of Transport, Building and Urban Development

2013 Grant application reviewer for the Austrian Research Promotion Agency for COIN (Cooperation & Innovation), a joint initiative launched by the Federal Ministry for Transport, Innovation and Technology (BMVIT) and the Federal Ministry of Economy, Family and Youth (BMWFJ)

2013 Scientific Committee of the Conference “sb 13 munich - Implementing Sustainability - Barriers and Chances

Since 2011 Grant application reviewer for the Austrian Research Promotion Agency for BRIDGE (Bridging Programme): funding for predominantly basic research projects that demonstrate a realistic potential for commercialisation

Publications, Talks

- Books and book chapters: 10 (2 of them with revision every 2nd year since 2007)
- Journal papers and conference papers: 58
- Published final reports and other publications: 22
- over 60 talks

Research Grants and R&D projects for Industry,

- 39 research projects and R&D projects for industry
- 18 research grants

Research projects (selection)

2010 - 2013 Investigation of a Stack Ventilation System in a Primary School in Munich by Means of Measurements, contracted by City of Munich

2010 – 2014 Comparison of Different Ventilation Concepts for Classrooms by Means of Dynamic Thermal Building Simulation, contracted by City of Munich

2009 – 2011 Heat Strain and Performance in Offices at Elevated Outside Temperatures, funded by the Federal Institute for Occupational Safety and Health, Germany

2006 – 2010 Hybrid ventilation in schools, funded by the Federal Ministry of Economics and Technology (BMWi), Germany

2009 – 2010 Assessment of Air Velocities and Discomfort Because of Draft within an Atrium of a High-Ris Building, contracted by the facility management of a Company

2008 – 2009 MCME - Maximal Comfort, Minimal Energy, contracted by a Korean Construction Company

2007 – 2008 Development of Evaluation Criteria for the Assessment of Thermal Comfort in Winter and in Summer within the Frame of a New German Sustainability Rating System, contracted by the Federal Ministry of Transport, Building and Urban Development, Germany

2005 – 2009 ComfSim - Comfort-Simulation, funded by the Bavarian Research Foundation, Germany

Patents

“Regeleinrichtung, Datenträger mit darauf gespeicherten Daten und Daten repräsentierende Signalfolge“
Deutsches Gebrauchsmuster (German Utility patent): No. 20 2010 001 277.5, publication date 24.6.2010, patent holder: Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.

Publication No. US-2011-0184566-A1, publication date 07/28/2011 “Control device, data storage medium having data stored thereon, signal sequence representing data, and method for controlling a ventilation opening”