

# Professor Dr Runa T. Hellwig

(Full professor, PD (Privatdozent), Dr.-Ing., Dipl.-Ing.)

## Projects, Grants (thematically arranged)

### 05\_Office buildings

2009 - 2011



#### **Heat Strain and Performance in Offices at Elevated Outside Temperatures**

contracted by the Fraunhofer Institute for Building Physics  
Project funded by the Federal Institute for Occupational Safety and Health, Germany

project management, study design, Investigations took place in the test facility VERU (*Versuchseinrichtung für Raumklimatische und Energetische Untersuchungen*) at the Fraunhofer Institute for Building Physics, 20 subjects, scope: impact of elevated temperature at the workplace under summer outside temperature conditions on the mental performance and the subjective state of persons

2009 - 2010

#### **Assessment of Air Velocities and Discomfort Because of Draft within an Atrium of a High-Rise Building**

contracted by the facility management of a Company, Germany  
see projects at the Fraunhofer Institute for Building Physics

measurement concept, interpretation of the measurement results

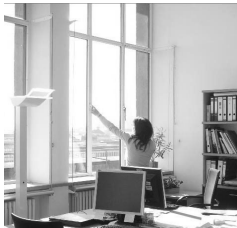
2009

#### **Assessment of the Indoor Environment in Offices of a High-Rise Building**

contracted by the facility management of a Company, Germany at the Fraunhofer Institute for Building Physics

measuring and assessing thermal comfort and indoor air quality parameters in offices in order to find out the reasons for complaints of the users

2004 - 2006

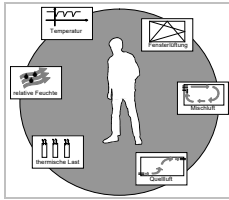


#### **Thermal Comfort in Office Buildings under Consideration of the Impact of Environmental Aspects**

funded by Rud. Otto Meyer-Umwelt-Stiftung (Foundation for the environment) Hamburg, Germany at the University Hospital Jena, Indoor Climatology, PD Dr. W. Bischof

project acquisition, management and execution, doctorate project, analysis of subjective ratings from questionnaires and analysis of objective data from measurements with statistical methods, developing a multivariate logistic regression model to describe the impact of non-thermal factors on the thermal comfort rating of office workers

2001



Assessment of Thermal Comfort in Naturally Ventilated Office Buildings funded by the central research funding of the University of Kassel, Germany

1996 – 1997



**Thermal, Energetic and Daylight Assessment and Improvement of the Design for the New Administrative Building of the Institute for Forestry and Nature Research in Wageningen, The Netherlands**

Architects: Behnisch Architekten

contracted by Rijksgebouwendienst, The Netherlands at the Fraunhofer-Institute for Building Physics

consulting: summer heat protection measures, dynamic thermal building simulation, optimisation of thermal bridges