

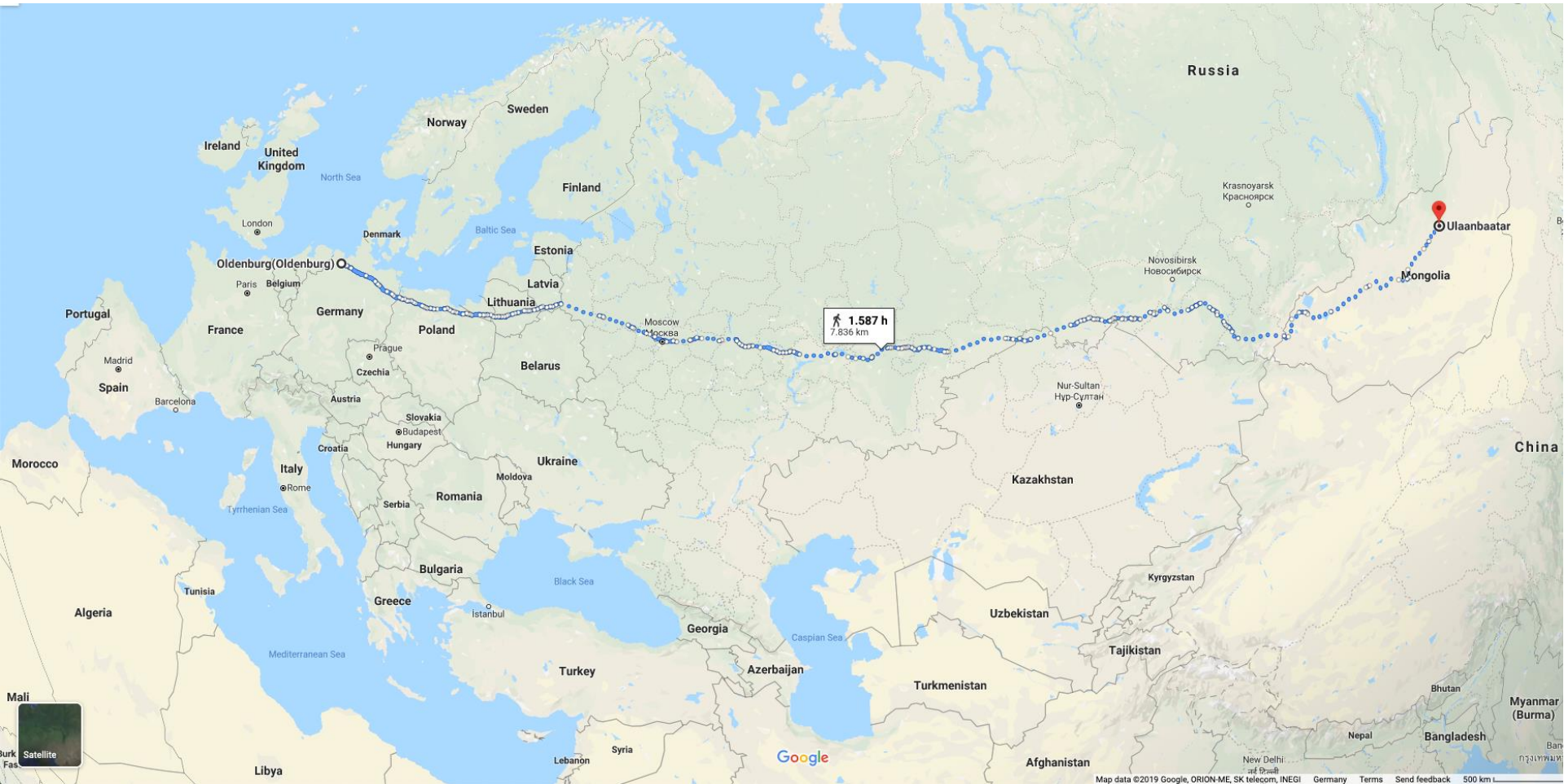
Computer Science in Oldenburg (Oldb.) Germany



Oldenburg at Night



Oldenburg - Ulaanbaatar



Oldenburg (Oldb.)

Where is it?

- Northwest of Germany
- Close to the North Sea and to the Netherlands

Distances

- Hamburg: 150 km
- Berlin: 450 km
- Munich: 750 km
- Amsterdam: 300 km
- Ulaanbaatar: 6430 km



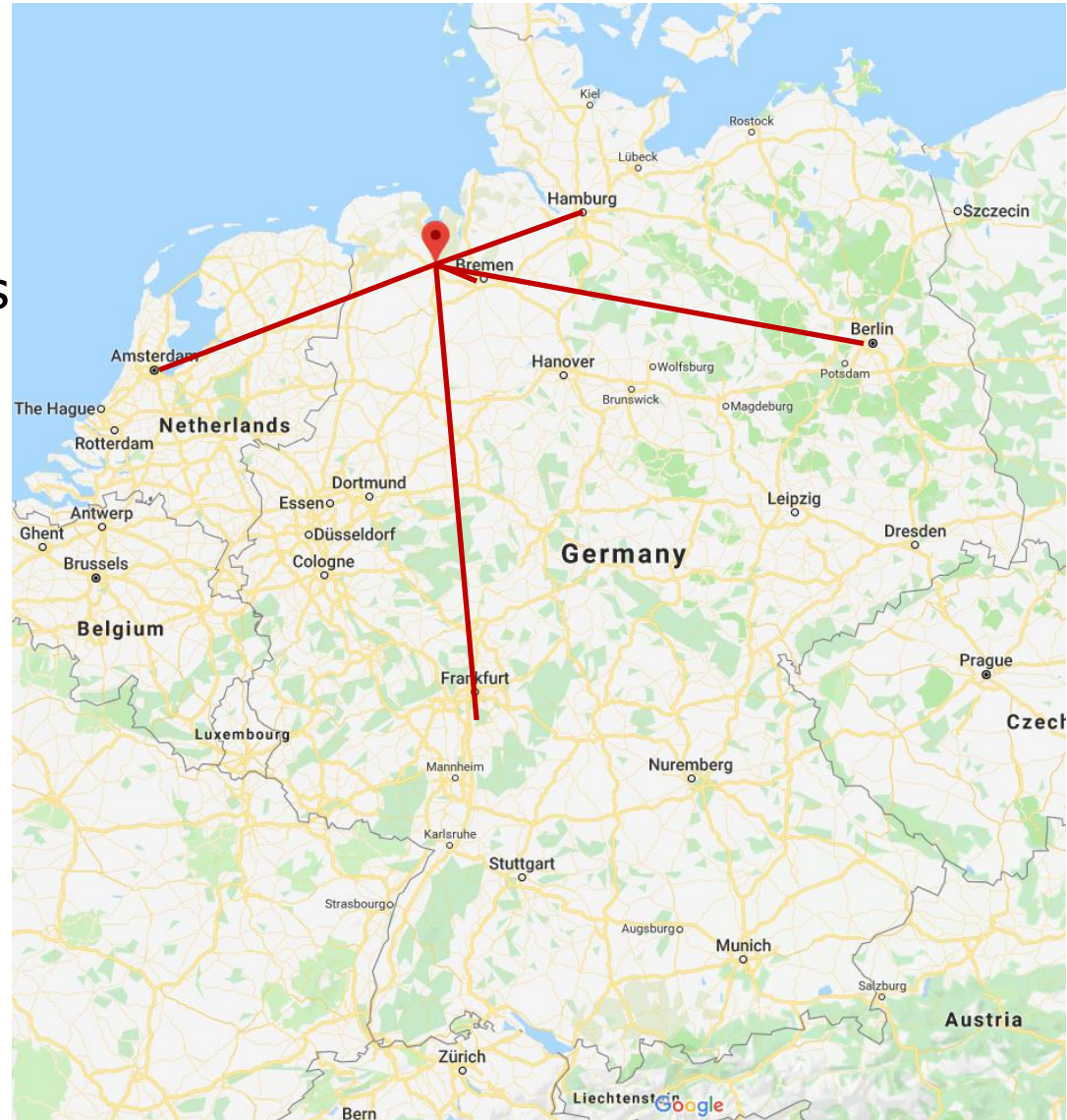
How to reach Oldenburg

Easy to reach by air...

- Nearest Airports
 - Bremen
- Intercontinental Airports
 - Hamburg
 - Amsterdam
 - Berlin
 - Frankfurt

... by land

- ICE train station near the city center
- immediate motorway connection



Green Oldenburg

- 900 years of History
- Historical Buildings
- Cozy, green and safe
- Plenty of Entertainment and Culture
- Bike City



Oldenburg - City of Science



Oldenburg Downtown



Oldenburg - Waters



Oldenburg - Gardens



Oldenburg Bikes



Carl von Ossietzky University of Oldenburg



Carl von Ossietzky

* October 3, 1889
+ Mai 4, 1938

Journalist, Author,
Pacifist

received
Peace Nobel Price
in 1935



[http://www.ndr.de/land_leute/norddeutsche_gesichter/ossietzky100_v-contentgross.jpg]

History: University of Oldenburg

March 7, 1793 Founding a teachers' seminar
by Duke Peter Friedrich Ludwig

Oct. 1, 1945 Establishing the
Pedagogical Academy in Oldenburg

March 1, 1971 Installing of a founding committee
consisting of one third
Professors, assistants
and students, each



Dec 5, 1973 Founding the University of Oldenburg with an
integrated teacher training college

Oct. 22, 1985 Establishing **Computer
Science** with 55 students

Oct. 3, 1991 Renaming the university
after *Carl von Ossietzky*

Oct. 18, 2004 starting Bachelor's and
Master's degree programmes



Statistics: University

Students: 15947

- Female: 8999
- Male: 6948

Professors: 222

- Female: 66
- Male: 156

Researcher: 1305

- Female: 628
- Male: 677

Completed PhDs (2018): 162

- Female: 62
- Male: 100



Faculties

- I School of Education
- II School of Computing Science, Business Administration, Economics and Law
- III School of Linguistics and Cultural Studies
- IV School of Humanities and Social Sciences
- V School of Mathematics and Science
- VI European Medical School



[heads]

Degree Courses

Bachelor's Programme

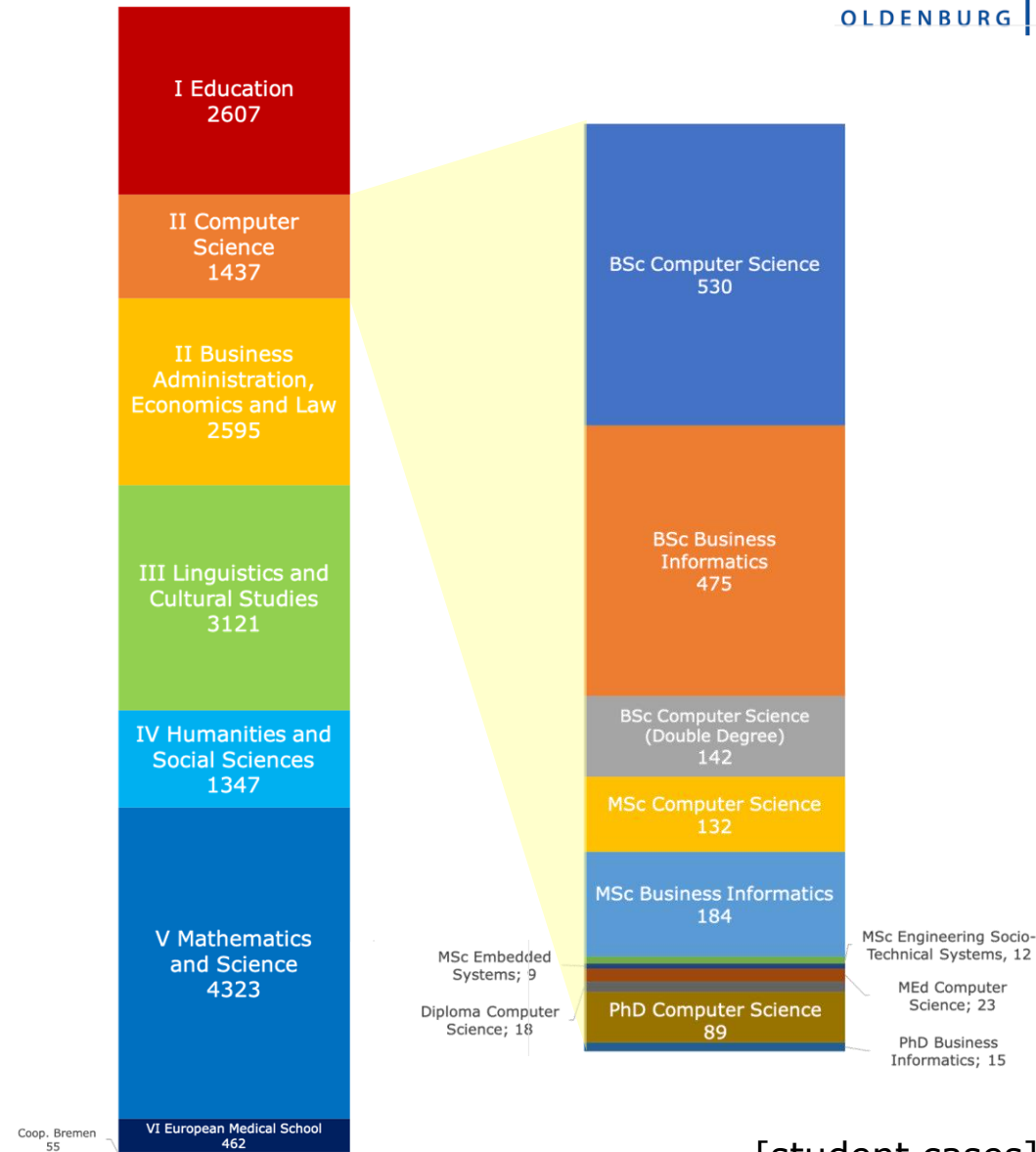
- › Biology
- › Business Administration and Law
- › Business Administration for Medium-Sized Enterprises
- › Business Administration for Top Athletes
- › Business Informatics
- › Chemistry
- › Comparative and European Law
- › Computing Science
- › Economics and Business Administration
- › Education
- › Engineering Physics
- › Engineering Physics - Dual Study Program
- › Environmental Science
- › Mathematics
- › Pedagogic acting in migration society
- › Physics
- › Physics, Engineering and Medicine
- › Social Studies
- › Sustainability Economics

Master's Programme

- › Art and Media Studies
- › Biology
- › Business Administration, Economics and Law
- › Business Informatics
- › Chemistry
- › Computing Science
- › Cultural Analysis
- › Dutch Linguistics and Literary Studies
- › Ecumenism and Religions
- › Education and Research Management
- › Educational Science
- › Engineering Physics
- › Engineering of Socio-Technical Systems
- › English Studies
- › Environmental Modelling
- › European History
- › European Master in Migration and Intercultural Relations
- › European Master in Renewable Energy (EUREC)
- › German Studies
- › German as a Foreign Language / German as a Second Language
- › Hearing Technology and Audiology
- › Innovation Management and Entrepreneurship
- › Integrated Media - Audiovisual Media in Practice, Theory and Instrumentality
- › Landscape Ecology
- › Language Dynamics: Acquisition, Variation, Change
- › Law and Information Systems
- › Management Consulting
- › Management of Technology Enhanced Learning
- › Marine Environmental Sciences
- › Marine Sensors
- › Mathematics
- › Microbiology
- › Museum and Exhibition
- › Music Studies
- › Neurocognitive Psychology
- › Neuroscience
- › Philosophy
- › Physics
- › Physics, Engineering and Medicine
- › Postgraduate Programme Renewable Energy
- › Rehabilitation Counseling Education
- › Renewable Energy Online
- › Risk Management for the Financial Industry
- › Slavic Studies
- › Social Studies
- › Sport and Lifestyle
- › Sustainability Economics and Management
- › Transnational Law
- › Water and Coastal Management

Faculties

- I School of Education
- II School of Computing Science, Business Administration, Economics and Law
- III School of Linguistics and Cultural Studies
- IV School of Humanities and Social Sciences
- V School of Mathematics and Science
- VI European Medical School



[student cases]

Statistics: Computing Science

Students: 1611

- Bachelor: 1147
- Master: 360
- PhD: 104

Professors: 15

- hiring: 4

Researcher: 120

Grant holders: 50

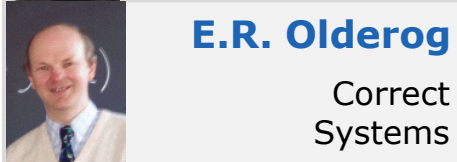
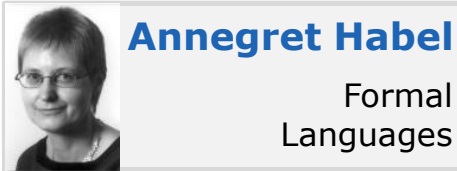
Researcher @ OFFIS: ~250

[student cases]

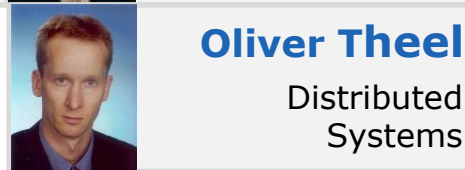
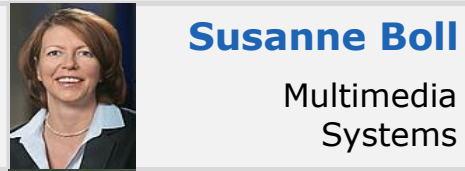


Professors and Groups

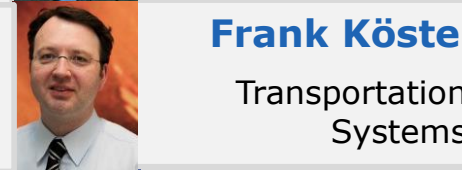
Theoretical CS



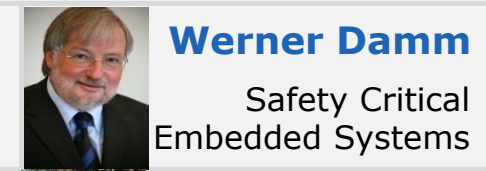
Practical CS



Applied CS



Technical CS



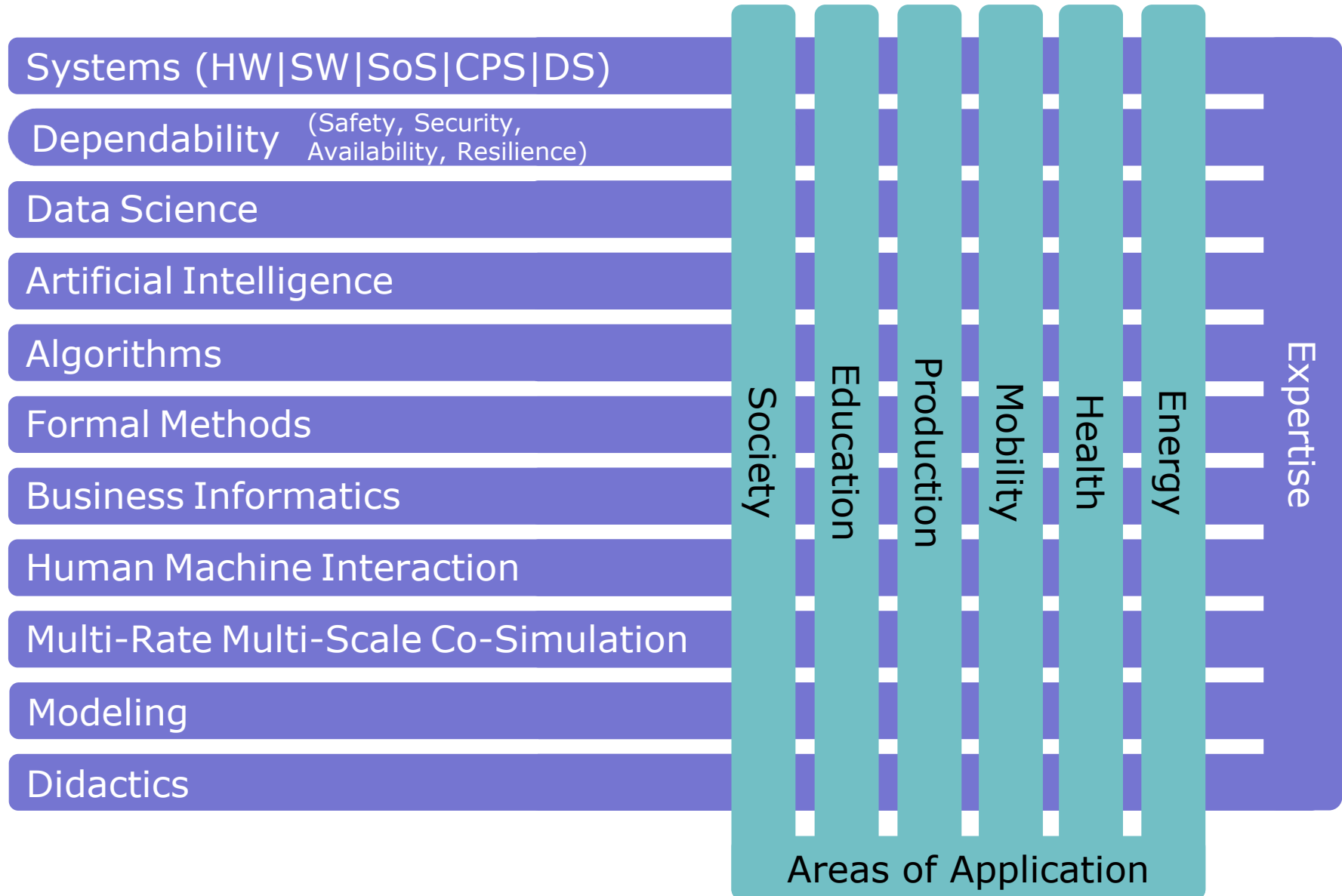
in occupation

- Digitalized Energy Systems
- Applied Artificial Intelligence
- Data Science
- Formal Methods

successfully applied for

- additional five professorships in the field of digitalization

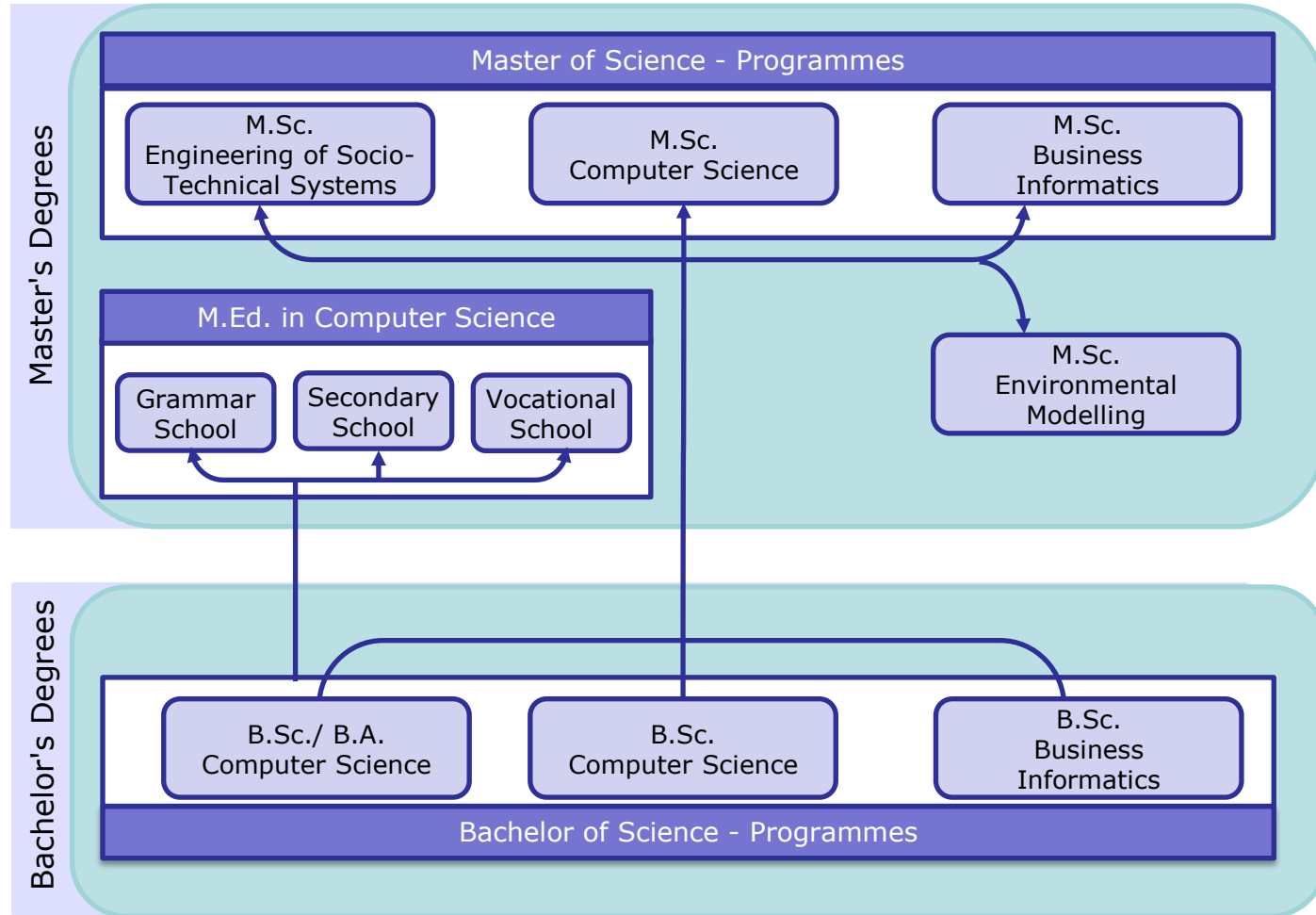
Fields of Expertise in Research



Teaching Programs

Bachelor Master PhD

- research assistants (CvO, OFFIS)
- PhD Grants
 - DAAD
- PhD Programs
 - DFG SCARE
 - System Integration of Renewable Energy
 - Safe Automation of Maritime Systems



Delegation from Oldenburg

Topics of Interest

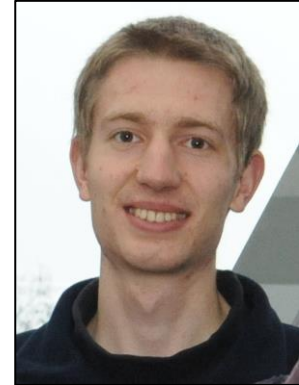
- Software-Engineering
- Modeling and Meta Modeling
 - collaborative Modeling
 - Model Versioning
 - Model Consistency
- Graph-Technology
- Software Architecture
 - for Sensor-based Smart Systems
 - for IoT Systems
 - View(point)s and Integration
- Process-Models
- Software Evolution
 - Sustainable Software
- Tool Interoperability



Prof. Dr. Andreas
Winter
winter@se.uol.de



Dr. Christian
Schönberg
christian.schoenberg@uol.de



M.Sc. Johannes
Meier
meier@se.uol.de

Interests in SuMoCoS

- Architecture of Sensor- and Actuator-Networks for SmartCities
- IoT Languages for SmartCities
- Research, Exchange and Collaborations for SmartCities

Topics of Interest

- Dependable Distributed Computing
- Fault Tolerance in Distributed Systems
 - Replication of Data & Services
 - Self-Stabilizing Distributed Algorithms
 - Region-Adherent Distributed Algorithms
- Dynamics in Distributed Systems
- Distributed Base Algorithms
 - Scalability
 - Self-Organization
 - Graceful Degradation
 - Energy-Efficiency
 - Consistency
- (Wireless) Sensor Networks
- Sensors for Environmental
- Phenomena



Prof. Dr.-Ing.
Oliver Theel
oliver.theel@uol.de



M.Sc. Inform. Cand.
Marvin Banse
marvin.banse@uol.de

Interests in SuMoCoS

- Sensor & Actuator Networks for SmartCities
 - Models
 - Properties
 - Sensor & Actuator Devices
- Exchange & Collaborations

Very Large Business Applications

@University of Oldenburg

Topics of Interest

- Data Science
 - Artificial Intelligence
 - Big Data Integration
 - Blockchain
 - Business Intelligence
 - Data Ownership / Transparency
- Sustainability
 - EMIS
 - Sustainable Mobility
 - Sustainable Reporting
 - Recycling networks
- Knowledge Transfer & Capacity Building



Prof. Dr.-Ing.
Jorge Marx Gómez



M.Sc. Christian
Janßen



M.Sc. Alexander
Sandau

Interests in SuMoCoS

- Architecture of Smart City Platforms
- Data Management in Smart Cities
- Exchange and Collaborations

Topics of Interest

- Power System Intelligence
- Standardized Systems Engineering and Assessment
- Energy-efficient Smart Cities
- Automation, Communication and Control
- Simulation and Agents in Multiple Domains
- Data Integration and Processing



Dr. Jörg Bremer
joerg.bremer@uol.de

+ a team of more than 60 people

Interests in SuMoCoS

- Sustainable Energy Management in Smart Cities
- Integration of Renewable Energy

Interdisciplinary Centre for Law of the Information Society (ZRI)

@University of Oldenburg

Topics of Interest

- Privacy by Design
- Smart Cars
- IoT
- Tracking Technologies
- Video Surveillance
- Fundamental Rights
- Electronic Contracts
- Privacy Enhancing Technologies
- Cyber Security



Boris Reibach, LL.M.,
Attorney at Law (Germany)
Boris.Reibach@uol.de

Interests in SuMoCoS

- Legal Regulation of Smart Cities
- Transparency
- Privacy Policies
- Data Subject Rights

Topics of Interest

- Retrofitting Existing Machine Parks
- Development of IIoT Products
- Modeling and Meta Modeling
 - Model-driven Development of Industrial IoT Systems
 - Model Integration
- Tool Development
 - Monitoring and Tracing
 - IIoT IDE
- Machine Learning
- Research in IIoT
- Sustainable IIoT Software
- Enterprise Applications
 - Mobile App Development
 - Web-based Applications



Dr. Yvette Teiken
yvette.teiken@
erminas.de



Mr. Hilmar Bunjes
hilmar.bunjes@
erminas.de

Interests in SuMoCoS

- Modeling of Systems and Languages for SmartCities
- Retrofitting of Existing Things in SmartCities
- Exchange and Collaborations