

## Curriculum Vitae

**Name:** Prof. Dr. rer. physiol. Thomas Penzel  
**Office Address:** Interdisciplinary Sleep Center  
Department of Pneumology, Campus Mitte  
Charité – Universitätsmedizin Berlin  
Charitéplatz 1, D-10117 Berlin, Germany  
**E-mail:** thomas.penzel@charite.de  
**Phone at work:** +49-30-450513013  
**Fax at work:** +49-30-450513906  
**Place and Date of Birth:** Hamburg, Germany, 13<sup>th</sup> March 1958

### Education:

1978-1986	Study	Georg-August-University Göttingen, Free University Berlin, Philipps-University, Germany, disciplines: physics, mathematics, medical physics, human biology
1986	Diploma	Philipps-University Marburg, Germany, discipline: theoretical physics
1991	Doctorate	Philipps-University Marburg, Germany, discipline: human biology

### Postdoctoral training:

1995	Habilitation in Physiology at the medical faculty of Philipps-University Marburg
1997	Certificate “Medical Informatics” by the German Society for Medical Informatics (GMDS) and the German Society for Informatics (GI)
1997	Certificate “Somnology for Scientists” by the German Sleep Society (DGSM)
2010	Certificate “Medical Education” by Charité University Hospital
2011	Certificate “Health care management” by Charité University Hospital
2013	Certificate “Somnologist – Expert in sleep science” by European Sleep Research Society (ESRS)

### Awards:

2001	Bial award for Clinical Medicine on Neurotelemedicine by the President of the Republic of Portugal.
2006	Senior member of the Institute of Electrical and Electronics Engineers (IEEE)
2008	Bill Gruen award for innovations in sleep research by the Sleep Research Society
2008	Award “Innovations in Biomedical technology” by the German Ministry for Education and Research
2012	Somnus award for excellent service in sleep medicine by “Schlafmagazin”
2014	Distinguished research award by Chinese Sleep Research Society

### Academic Appointments:

1995	Lecturer	Medical Faculty of Philipps-University Marburg
2001	Professor	Medical Faculty of Philipps-University Marburg
2008	Lecturer	Medical Faculty of Charité University Hospital Berlin
2014	Professor	Medical Faculty of Charité University Hospital Berlin

### Employments:

1982	Civil service at the Sleep Center, Department of Internal Medicine, Philipps-University Marburg
1984-1986	Tutor at the Department of Physics, Philipps-University Marburg

1986-1987 Research Assistant at the Department of Physics, Philipps-University Marburg  
 1987-1992 Researcher at the Sleep Center in the Department of Internal Medicine, Philipps-University Marburg  
 1991-1993 Researcher at the Institute of Physiology, Philipps-University Marburg  
 1992-2001 Researcher at the Sleep Center in the Department of Internal Medicine, Division of Pulmonary Diseases, University Marburg.  
 2001-2006 Senior researcher at the Sleep Center in the Department of Internal Medicine, Division of Pulmonary Diseases, University Marburg.  
 2006- Research director, Sleep Medicine Center at the Charité, University Hospital Berlin  
 2016-2018 Senior researcher for cardiovascular sleep research, St. Anne's University Hospital, ICRC, Brno, Czech Republic  
 2019- Principal Investigator for Russian Federation Government Megagrant #075-15-2019-1885, Saratov State University, Saratov, Russian Federation

**Membership:**

DGSM, GMDS, DG Cardiology, DG Pneumology, DG Physiology, IEEE, ERS, ESRS, SRS, AASM, DGBMT, SBB, ISSTA, WSS.

**Committee Assignments:**

**Charite University Hospital committee:**

2008-2017 Dissertation committee member  
 2013- Education curriculum committee member

**National:**

1992-2006 German Sleep Society (DGSM), sleep center accreditation committee, chair  
 1993-2001 German Sleep Society (DGSM), governing board member, member of young investigator award committee, member of conference scientific board  
 2000-2007 Task force "Biosignal analysis" of the German society on medical informatics (GMDS), chair  
 2006- IEEE Engineering in Medicine and Biology, German Chapter, chair  
 2006- Berlin Brandenburg Sleep Medicine society, governing board,  
 2011-2013 Berlin Brandenburg Sleep Medicine society, president  
 2010-2012 German Cardiology Society, workgroup on sleep disordered breathing, co-chair  
 2012-2016 German Biomedical Engineering Society (DGBMT), workgroup on biosignal processing, co-chair  
 2012-2020 German Sleep Society (DGSM) governing board, secretary  
 2016-2018 German Biomedical Engineering Society (DGBMT), governing board  
 2020- German Sleep Society (DGSM) president

**International:**

1999-2001 International Society on Biotelemetry (ISOB), vice-president  
 2001-2014 International Society on Biotelemetry (ISOB), president  
 2003-2006 Sleep Research Society, web and communication committee, member  
 2003-2012 World Association on Sleep Medicine (WASM), committee for professional activities, chair  
 2013-2017 World Association on Sleep Medicine (WASM), treasurer

- 2004-2007 American Academy of Sleep Medicine (AASM), committee on sleep scoring rules, task force on technical and digital rules: chair; task force on visual rules: member
- 2005-2008 European Sleep Research Society (ESRS), research committee and web committee, member
- 2008-2012 European Sleep Research Society (ESRS), scientific committee, member
- 2011-2018 European Sleep Research Society (ESRS), sleep medicine committee, chair
- 2015 European Sleep Research Society (ESRS), examination committee, co-chair
- 2012-2016 International Sleep Science and Technology Association (ISSTA), president
- 2014-2016 IEEE Engineering in Medicine and Biology, TC Cardiopulmonary, chair
- 2014- European Respiratory Society (ERS), harmonizing education for respiratory medicine of European specialists (HERMES) for respiratory sleep, member
- 2015-2017 World Association on Sleep Medicine, examination committee, co-chair
- 2016- World Sleep Society, examination committee, co-chair
- 2016-2019 World Sleep Society, treasurer
- 2017-2021 IEEE Biomedical Engineering Award committee member and chair
- 2019- IEEE Engineering in Medicine and Biology, Adcom member

**Activities other than university:**

- 2006- Advanced Sleep Research GmbH (clinical research organization), scientific director and shareholder
- 2007- Somnico GmbH (a medical education and consulting company) shareholder
- 2009-2012 German Association for Promotion of Biomedical Engineering, president
- 2012- German Sleep Foundation (charitable foundation), chair of the board.

**Conference organizer**

- 1997 International Society on Biotelemetry, 14. Congress, Marburg, congress chair
- 2001 International Symposium on Sleep and Autonomous function, Marburg, chair
- 2005 First congress World Association of Sleep Medicine, Berlin, co-chair
- 2006 Sleep and the Cardiovascular system, Marburg, chair
- 2012 German Sleep Society, 20. Congress, Berlin, congress co-chair
- 2015 World Academy of Sleep Medicine, Founding congress, Berlin, congress co-chair
- 2017 IEEE Engineering in Medicine and Biology, 39. Conference, Jeju Island South Korea, program co-chair
- 2018 IEEE Eng. in Medicine and Biology, 40. Conference, Honolulu, program co-chair
- 2019 IEEE Eng. in Medicine and Biology, 41. Conference, Berlin, conference chair
- 2019 World Sleep Society 2. Congress, Vancouver, program committee member

**Scientific Journals:**

Editor-in-chief:

- 2003-2016 Somnologie (German Journal for Sleep Medicine and Sleep Research)
- 2017- Sleep and Breathing

Editorial board member:

- 1997-2003 Somnologie
- 2018- Somnologie
- 2001- Biomedical Engineering
- 2005-2009 Neuropsychiatrie
- 2006- Journal of Clinical Sleep Medicine
- 2007- Physiological Measurement
- 2008- Klinische Neurophysiologie

2012- Sleep  
2013- Sleep Medicine  
2013 Plos One  
2015 IEEE Journal of Translational Engineering in Health and Medicine  
2016 IEEE Transactions on Biomedical Engineering

**Evaluation experience:**

German national grants DFG (Deutsche Forschungsgemeinschaft), BUND, BMBF (Ministry for Education and Research Germany)  
European Union (FP8, ERC, H2020)  
Australia ARC (Australian Research Council), National Health and Medical Research Council, RMIT university grants  
Cyprus Research Promotion Foundation grants  
Estonian Research Council  
National Center for Research and Development in Poland  
Swedish National Space board grants  
Technical Agency of the Czech Republic grants  
Austrian National Bank grant (Österreichische Nationalbank)  
PhD theses and tenure track in USA, Malaysia, Australia, Belgium, England, Ireland, Spain, Italy, Lithuania, Finland, Denmark, France, Pakistan, Greece.

Supervision of 7 Master thesis

Supervision of 35 doctoral theses at the Charité University Hospital

**Publications**

381 journal publications, 80 book chapters, 147 conference papers, 17 edited books  
H-index: 67, citations: 18627 (Google Scholar 2. Dec. 2020)

**Grant support**

Partner in 8 European Union Grants (ANDEE, SIESTA, ENN, ENNICS, SENSATION, HIVE, ICARENET, DAPHNET, and 3 currently running (ASCLEPIOS, SLEEPREVOLUTION, ODIN).

PI in 4 Grants from DFG (German National Science Foundation)

Pharmaceutical and biomedical engineering company sponsored research projects