

Dr. Thorsten Staedler
Physicist

thorsten.staedler@uni-
siegen.de



19.09.1971 **Date of birth**

Bad Oldesloe **Place of birth**

Married, 2 children **Marital status**

German **Nationality**

Akademischer Rat,
University of Siegen **Position**

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CURRICULUM VITAE Work experience

University of Siegen

Institute of Materials Science
Chair of Surface and Materials Technology
Professor Xin Jiang

Akademischer Rat since 16.06.2011

Chief Engineer since 15.06.2003

Head of the analytics section, project acquisition and
coordination (EU, DFG, AIF, and industry), teaching

Member of the board of examiners "Mechatronics"

Organizer, Symposium „Fundamentals of Nanoindentation
and Nanotribology“, MRS fall meeting 2007, Boston

Cornell University

Department of Materials Science and Engineering
Group of Professor Shefford P. Baker
Ithaca, New York

Postdoctoral Associate 01.11.2001 – 31.05.2003

Project leader in the field of quasi-static and dynamic
mechanical testing of bone on the nano scale

Industry collaboration and coordination:
Hysitron Inc., Development of nanoDMA
Corning Inc., Creep behavior of glass at RT

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Fraunhofer Institute for Surface Science and Thin Films
Braunschweig

Scientist 01.10.1998 – 30.09.2001

Project leader in the field of nanomechanical and
nanotribological characterization of MEMS, SFB 516,
“Construction and fabrication of active microsystems”

PVD- and CVD-based film synthesis

Industry collaboration and project management:
Hysitron Inc., Volkswagen, Leybold etc.

Research Assistant 01.07.1996 – 30.09.1998

Project work in the field of optical characterization of
functional films and film systems

PVD-based film synthesis

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CURRICULUM VITAE Education

Technical University of Braunschweig Braunschweig

- PhD Physics 27.09.2001
“Mechanical and tribological characterization of thin films
based on scanning probe techniques”
Grade: with distinction
- Diplom (M.Sc. Physics) 21.08.1998
“Ex- and in-situ spectro-ellipsometry of thin ZnO:Al- and
TiO₂-films”
Grade: very good

Universität Hamburg Hamburg

Vordiplom (B.Sc. Physics) 14.10.1994

Emil-von-Behring-Gymnasium Großhansdorf

Abitur (A-levels) 08.06.1991

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ADDITIONAL QUALIFICATIONS

German, native speaker,
English, business fluent
French, basic skills

Language skills

Microsoft Office, Mathematica, Origin, EndNote, Adobe,
Corel Draw, Dreamweaver

Computer skills

Class III and II (german)

Driving license

INTEREST

Mechanical and tribological materials characterization
Nano-composites
Surface science and thin film technology
Nanotechnology

Research Interest

Materials Research Society (MRS)
German Materials Research Society (DGM)
Member of DGM committee
“Scanning probe methods in materials science”
German Physics Society (DPG)

Membership

Drawing, running

Hobbys