

Prof. Dr. Thomas Schröder

*17.12.1968, male

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Current Position [Scientific Director \(IKZ\) & Professor \(HU Berlin\)](#)

University Education

Phd thesis in the area of Physical Chemistry of Dielectrics (1998 – 2001) at Humboldt-University / Fritz-Haber Institute of Max Planck Society, Berlin (Germany), [Degree: Dr.rer.nat](#)
Studies in Physics (1993 – 1998), B.Sc & M.Sc at Eberhardt-Karls-University, Tuebingen (Germany), Degree: Physics Diploma; Research Stay in Madrid / Spain
Studies in Chemistry (1988 - 1996), B.Sc. & M.Sc. at Eberhardt-Karls-University, Tuebingen (Germany), Degree Chemistry Diploma; Research Stay in Pisa / Italy

Scientific Degrees

Humboldt-University / Fritz-Haber Institute of Max Planck Society, Berlin (Germany), (2001),
Mentor: Prof. in Crystal Growth
Eberhardt-Karls-University, Tuebingen (Germany), (1998), mentor: Prof. Hübener/Physics
(one year research stay at the University of Pisa 1992 / 1993)
Eberhardt-Karls-University, Tuebingen (Germany), (1996), mentor: Prof. Hübener/Chemistry
(one year research stay at the University of Madrid 1994 / 1995)

Scientific Development

W3 Professor	since 2018, Humboldt-Universität zu Berlin, Department of Physics, AG crystal growth (HU Berlin, Germany)
Scientific Director	since 2018, Leibniz-Institut für Kristallzüchtung (IKZ, Berlin, Germany)
W2-Professorship	2012 – 2017, Brandenburg University of Technology, AG Semiconductor Materials (BTU, Cottbus-Senftenberg, Germany),
Department Head	2009 – 2017 of Materials Research at IHP GmbH (Frankfurt/O., Germany)
Head of Joint Lab	2014 – 2017, IHP: Leibniz Institute for High Performance Microelectronics and Technical University of Poznan (Frankfurt/O., Germany/Poland); Guest Professorship at TU Poznan
Group Leader	2004 – 2009; Leader “Heteroepitaxy” IHP Department „Materials Research“ (Frankfurt/O., Germany)

PostDoc

2002 – 2004; Head of Surface Characterization in Surface & Interface Division, European Synchrotron Radiation Facility (Grenoble, France)

Selected synergistic activities and honours

- Spokesperson of the Leibniz Strategy Forum 'Technology Sovereignty' (since 2021)
- Vice President German Society of Crystal Growth (DGK) (since 2022)
- President of the European Network of Crystal Growth (ENCG) (since 2022)

- Extended Strategy Development for IKZ & implementation in the institute since 2018 (including successful Leibniz evaluation in 2018 (period: 2019 – 2025; ~ 10 Mio € / p.a.) and approval innovation grant extraordinary item of expenditure 'Crystal technology for technology Sovereignty' (start in 2023 with 2.2 Mio € / p.a.))
- Member of the Desy Photon Science Council (PSC) at Hamburg / Desy Advising the Desy Management on Petra III, Flash, X-FEL R & D (since 2018)
- **Publications:** More than 300 scientific publications including conference proceedings. More than 200 peer-reviewed publications in semiconductor and dielectrics science (H-factor = 52; i-factor = 179; more than 8700 citations (Google scholar: Jan 2024).
- **Funding:** >18 million € 3rd party funds for material research & technology development. Funds from public funding sources like "Deutsche Forschungsgesellschaft", German Ministry of Research and Education etc. and German semiconductor industries.
- **Patents:** About twenty filed intellectual properties in the area of crystals & heteroepitaxy. Patents include innovative virtual wafer technologies as well as innovative device concepts for future technologies like photonics, sensing etc.