

GREGOR KOBLMÜLLER, PD Dr.

Walter Schottky Institute & Physics Department
Center for Nanotechnology and Nanomaterials (ZNN)
Technical University of Munich (TUM)
Am Coulombwall 4, D-85748 Garching



EDUCATION

- 2005 Dr. tech.
Technical Physics, Technical University of Vienna (TU Wien) Austria
- 2002 M.Sc.
Technical Physics, Technical University of Vienna (TU Wien) Austria

CURRENT POSITIONS

- since 2009 Research Group Leader / Ass. Prof.
Walter Schottky Institute & Physics Department, Technical University of Munich
- since 2019 Member and Principal Investigator
Clusters of Excellence “e-conversion” and “Munich Center for Quantum Science and Technology (MCQST) / Munich Quantum Center (MQC)
- since 2019 TUM-IAS Honorary Fellow at Institute for Advanced Study

PREVIOUS POSITIONS

- 2008 Project Scientist
Materials Department & Solid-State Lighting and Energy Center,
UC Santa Barbara, USA
- 2005 – 2007 Postdoctoral Research Associate
Materials Department & Solid-State Lighting and Energy Center,
UC Santa Barbara, USA
- 2001 – 2004 Graduate Student Researcher
TU Vienna and Infineon Technologies, Corporate Research Photonics, Munich
- 2017 – 2019 Principal Investigator
Cluster of Excellence “Nanosystems Initiative Munich (NIM)”

INTERNATIONAL FELLOWSHIPS AND AWARDS

- 2018 ERC Consolidator Grant Award
European Research Council
- 2017 Habilitation in Experimental Physics at Technical University of Munich (TUM)
- 2015 Arnold Sommerfeld Prize
Bavarian Academy of Sciences (for outstanding contributions to Materials Science and Nano-Science)
- 2010 International MBE Young Investigator Award
International Conference of Molecular Beam Epitaxy (ICMBE, Berlin)
- 2009 International Reintegration Grant Award
Marie Curie FP-7 Peoples Mobility Program
- 2006 Young Author Best Paper Award
International Conference of Physics of Semiconductors (ICPS-28, Vienna)

2013-2021 Supervisor of several Best Student Award winners (SIOE-2021, EuroMBE-2019, MRS Fall Meeting 2018, NanowireWeek-2017, CSW-ISCS Japan 2016, EMRS Spring Meetings 2013 & 2015, Euro-MBE conference 2016, Nanowire-2015 Workshop, IBM Ph.D. Fellowships 2014 & 2016, WE Heraeus Seminar 2016, etc.)

SELECTED PROFESSIONAL ACTIVITIES / COMMISSIONS OF TRUST

2021 CSW-2022 Technical Program Sub-Committee, Ann Arbor, Michigan, USA
2020 Program Committee, 11th Intl. Conf. on Quantum Dots QD-2020, Munich
2019 Organizer of TUM-IAS Focus Workshop “Hot Carrier Dynamics in Advanced Concept Solar Cells”, Garching
2019 Editorial Board Member of IOP Journals “Nanotechnology” (Focus: Quantum Phenomena and Technologies) and Semiconductor Science & Technology
2017 Co-Organizer of Symposium “Photonic Crystals, Nano-Structures and Functions” at 24th Congress of the International Commission for Optics, Tokyo, Japan
2017 International Advisory Board to CIMTEC-2016 (International Conference on Modern Materials and Technologies – Multifunctional Inorganic One-dimensional Nanostructures) Perugia, Italy
2016 Organizer of German MBE Workshop, Garching
2016 Organizer of Symposium “Semiconductor Heterostructures on Patterned Substrates”, DPG Spring Meeting of German Physical Society, Regensburg
2015 Organizer of 582. WE Heraeus Seminar “III-V Nanowire Photonics”, Bad Hoeneff
2014 Editor to MRS Proceedings of MRS Fall Meeting – Symposium LL: Semiconductor Nanowires – Growth, Physics, Devices and Applications, Boston, USA
2013 Organizer of TUM-IAS Focus Workshop “Advances in Semiconductor Nanowire-based Photonics”, Garching
2013- Reviewer and Committee Member to Ph.D. thesis defences (e.g. NTNU Norway, IIT Kanpur India, CEA Grenoble, CNRS/Université Paris-Saclay, etc.)
2011- Funding Panel Reviewer to several Funding Agencies (e.g., DFG, European Union, NRSEC – Canada, Swiss National Science Foundation (SNSF), KAUST, National Science Center Poland, etc.)
2010- Session Chair at International Conferences and Workshops (e.g., MRS Meetings, E-MRS Symposium, CSW-ISCS, Nanowire Week, ICPS, etc.)
2010- Peer Reviewer to Nature Photonics, Nature Communications, Applied Physics Letters, Physical Review B, Physical Review Letters, Nano Letters, Advanced Materials, ACS Nano, IEEE, etc.

PUBLICATIONS / PATENTS / FUNDING ID

Gregor Koblmüller is author or co-author of more than 140 publications in peer-reviewed international scientific journals, provided > 100 presentations at int'l conferences and workshops (>70 invited talks), holds 3 patents and 2 pending disclosures, 3 book contributions and 2 major review articles.

As individual PI or co-PI he has attracted cumulative funding in the order of ~7 Mio€ since 2010 via multiple third-party grants (European Research Council, EU-FET Open, EU-FP7 Mobility, German Research Foundation, etc.). In addition, as project partner he supported the acquisition of major instrumentation funds for the ZNN facilities (He-Ion Microscope and CryoTEM) of WSI-TUM (total of 3.3 Mio €).