

Education

- 08.2010–02.2016 **PhD in Experimental Physics**, *TU Kaiserslautern, Department of Physics, Germany*, Dissertation: Towards Adaptive Metamaterials in the Terahertz Range
- 10.2005–06.2010 **Diploma in Experimental Physics**, *TU Kaiserslautern, Department of Physics, Germany*, Minor: Physical Chemistry, Material Science

Academic Positions

- Jan 2023– **Assistant Professor of Physics**, *University of North Texas, Denton, TX, USA*
- 2022–2023 **Assistant Research Scientist**, *Energy Sciences Institute, Yale University, New Haven, CT, USA*
- 2016–2022 **Postdoctoral Associate**, *Department of Chemistry, Yale University, New Haven, CT, USA*

Research Experience

- Jan 2023– **University of North Texas, Department of Physics, Denton, TX, USA**, Independent Research Group Leader, Assistant Professor
- THz spectroscopy of emerging materials.
 - Synthesize, simulation, and spectroscopy of metal-organic frameworks
- 2019–2023 **Yale University, Department of Molecular Biophysics and Biochemistry and Microbial Science Institute, West Haven, CT, USA**, Adviser: Prof. Nikhil S. Malvankar
- Electrical and optical measurement on biological nanowires.
 - High frequency conductivity measurements on biological nanonetworks
- 2016–2019 **Yale University, Department of Chemistry, New Haven, CT, USA**, Adviser: Prof. Charles A. Schmuttenmaer
- DFT calculation and Terahertz (THz) spectroscopy of crystalline amino acids, peptides, and proteins.
 - Optical-pump THz-probe spectroscopy of nanoparticles
- 2010-2016 **TU Kaiserslautern, Department of Physics and Electrical Engineering, Kaiserslautern Germany**, Adviser: Prof. Marco Rahm
- Simulation, fabrication and characterization of metamaterials for THz radiation, including lenses, beam steerer, adaptive filters and chemical sensors.
 - Optical-pump THz-probe near-field microscopy
- 2009-2010 **TU Kaiserslautern, Department of Physics, Kaiserslautern Germany**, Adviser: Ass.Prof. Marco Rahm and Prof. René Beigang
- Design and setting-up of a spatially resolved THz spectrometer.
 - Characterizing surface waves on metasurfaces, THz lenses, and semiconductors

Teaching Experience

- 2009–2010 **Lecture**, Saarland University, School of Health Professions, Homburg (Saar), Germany, Radio Physics for MTA (MTA Corresponds to *medical laboratory scientist* (MLS), *medical technologist* (MT), or *clinical laboratory scientist* (CLS))
- 2007–2011 **Lab Class**, Saarland University, School of Health Professions, Homburg (Saar), Germany, Physics Laboratory for MTA
- 2009–2010 **Lab Class**, Saarland University, School of Health Professions, Homburg (Saar), Germany, Introduction in Scientific Working for MTA
- 2008–2010 **Online Lecture**, Fitt GmbH, Saarbrücken, Germany
Mathematics, Statistic and Physics for Continuing Education Towards MTA.

Mentoring and Outreach Experience

- 04.2016– **Postdoctoral Researcher**, Yale University, New Haven, CT
Mentoring eight graduate students (Kevin P. Regan, Coleen T. Nemes, Sarah Ostresh, Matt D. Capobianco, Catharine Shipps, Cong Shen, Uriel Tayvah and Jacob A. Spies), three undergraduate exchange students (Heinrich Nikonow, Ayaka Hatano, Jaqueline Jin), and one Yale undergraduate (Adowa Danso-Dodoo), particularly in the fields of THz spectroscopy, computational chemistry, and computational electrodynamics.
- 08.2010– **Graduate Student**, TU Kaiserslautern, Kaiserslautern
- 02.2016 Mentoring eleven undergraduates (Klemens Schmitt, Anna-Katharina Mahro, Willi Kuroepka, Kirill Metzger, Michael Hoeh, Judith Hohmann, Martin Volk, Adam Birchfield, Seth Schober, Ute Bierbrauer, and Eva Walther) and directly supervising their work, resulting in five publications (co-)authored by these students.
Teaching assistant: Grading general physics for chemists and biologist and theoretical electrical engineering.
- 09.2018– **Outreach**, Wilbur Cross High School, New Haven, CT
- 06.2020 Mentoring high school students in the *physics and engineering club*. The goal of this student project is building a simple laser for communication and encode/transmit/decode information.

Volunteer Work and University Committees

Federal Agency for Technical Relief (THW), (Civil Protection Organization)

- 2011–2016 **Elected Chapter Commander**, Commanding a chapter with 40 volunteers
- 2010–2011 **Appointed as Deputy Chapter Commander**, Assisting in commanding the chapter. Supervising education and training, assisting with finances and spending, and equipment purchases
- 2009–2010 **Appointed as Head-Educator**, Supervising and assisting in teaching, training and mentoring
- 2005–2016 **Volunteer Member in the THW**, Chapter Homburg(Saar)

Student Representative

- 06.2007– **Elected as Student Representative in two Search Committees for Tenure**
- 07.2010 **Track and Tenured Positions**, TU Kaiserslautern, Department of Physics
- 02.2008– **Elected (two-term) as Student Representative in the Faculty Council**, TU Kaiserslautern, Department of Physics
- 01.2010
- 11.2005– **Elected Member of the Physics Student Association**, TU Kaiserslautern,
- 10.2012 Department of Physics

Books and Book Chapters

- Towards Adaptive Metamaterials for the Terahertz Range

Jens Neu

Verlag Dr. Hut (2016) ISBN 978-3-8439-2574-7

Contributions to Peer-Reviewed Journals

*Corresponding Author **Undergraduate Mentee †Contributed Equally

- Interrogating Light-Initiated Dynamics in Metal-Organic Frameworks with Time-Resolved Spectroscopy
Brian Pattengale, Sarah Ostresh, Charles A. Schmuttenmaer, and **Jens Neu***
Chemical Reviews, 122, 1 (2022)
- Microbial biofilms as living photoconductors due to ultrafast electron transfer in cytochrome OmcS nanowires
Jens Neu*, Catharine C. Shipp, Matthew J. Guberman-Pfeffer, Cong Shen, Vishok Srikanth, Jacob A. Spies, Nathan D. Kirchhofer, Sibel Ebru Yalcin, Gary W. Brudvig, Victor S. Batista, and Nikhil S. Malvankar*
Nature Communications, 13, 5150 (2022)
- Terahertz Conductivity of Semiconducting 2H and Metallic 1T Phases of Molybdenum Disulfide
Matt D. Capobianco, Sabrina M. Younan, Uriel Tayvah, Brian Pattengale, **Jens Neu**, Jing Gu, and Gary W. Brudvig*
The Journal of Physical Chemistry Letters, 13, 8319 (2022)
- Predicting Solar Cell Performance from Terahertz and Microwave Spectroscopy
Hannes Hempel*, Tom J Savenjie, Martin Stolterfoht, **Jens Neu**, Michele Failla, Vaisakh C Paingad, Petr Kužel, Edwin J Heilweil, Jacob A Spies, Markus Schleunig, Jiashang Zhao, Dennis Friedrich, Klaus Schwarzburg, Laurens DA Siebbeles, Patrick Dörflinger, Vladimir Dyakonov, Ryuzi Katoh, Min Ji Hong, John G Labram, Maurizio Monti, Edward Butler-Caddle, James Lloyd-Hughes, Mohammad M Taheri, Jason B Baxter, Timothy J Magnanelli, Simon Luo, Joseph M Cardon, Shane Ardo, and Thomas Unold*
Advanced Energy Materials, 12, 13 (2022)
- A 300-fold Conductivity Increase in Microbial Cytochrome Nanowires due to Temperature-induced Restructuring of Hydrogen Bonding Networks
Peter J. Dahl, Sophia M. Yi, Yangqi Gu, Atanu Acharya, Catharine Shipp, **Jens Neu**, J. Patrick O'Brien, Uriel N. Morzan, Subhajyoti Chaudhuri, Matthew J. Guberman-Pfeffer, Dennis Vu, Sibel Ebru Yalcin, Victor S. Batista, and Nikhil S. Malvankar*
Science Advances, 8, (2022)
- Computational Prediction and Experimental Realization of Earth-Abundant Transparent Conducting Oxide Ga-Doped ZnSb₂O₆
Adam J. Jackson, Benjamin J. Parrett, Joe Willis, Alex M. Ganose, W. W. Winnie Leung, Yuhan Liu, Benjamin A. D. Williamson, Timur K. Kim, Moritz Hoesch, Larissa S. I. Veiga, Raman Kalra, **Jens Neu**, Charles A. Schmuttenmaer, Tien-Lin Lee, Anna Regoutz, Tung-Chun Lee, Tim D. Veal, Robert G. Palgrave, Robin Perry*, and David O. Scanlon*
ACS Energy Letters 7,11 (2022)
- Nelly: A User-Friendly and Open-Source Implementation of Tree-Based Complex Refractive Index Analysis for THz Spectroscopy
Uriel Tayvah*, Jacob A. Spies, **Jens Neu***, and Charles A. Schmuttenmaer
Analytical Chemistry 93, 32, (2021)

27. Cation-Exchanged Conductive Mn₂DSBDC Metal–Organic Frameworks: Synthesis, Structure, and THz Conductivity
Brian Pattengale, **Jens Neu**, Ayano Tadaa, Gongfang Hua, Christopher J. Karpovicha, and Gary W. Brudvig*
Polyhedron 203, 115182, (2021)
26. THz Spectroscopy of Emerging Materials for Light Driven Processes and Energy Harvesting
Jens Neu*, Brian Pattengale, Sarah Ostresh, Matt D. Capobianco, and Gary W. Brudvig
Proceedings of the SPIE, 11685, (2021)
25. Direct Evidence of Photoinduced Charge Transport Mechanism in 2D Conductive Metal Organic Frameworks
James Nyakuchena, Sarah Ostresh, Daniel Streater, Brian Pattengale, **Jens Neu**, Christian Fiankor, Wenhui Hu, Eli Diego Kinigstein, Jian Zhang, Xiaoyi Zhang, Charles A. Schmuttenmaer, and Jier Huang
Journal of the American Chemical Society, 142, 50, 21050-8 (2020)
24. Terahertz Spectroscopy and Density Functional Theory Investigation of the Dipeptide L-Carnosine
Jens Neu*, and Charles A. Schmuttenmaer
Journal of Infrared, Millimeter, and Terahertz Waves, 41, 1366-1377 (2020)
23. Single Copper Atoms Enhance Photoconductivity in g-C₃N₄
Matt D. Capobianco, Brian Pattengale*, **Jens Neu***, and Charles A. Schmuttenmaer
Journal of Physical Chemistry Letter, 11, 20, 8873–8879 (2020)
22. Tribute to Charles A. Schmuttenmaer
Jacob A. Spies, **Jens Neu**, Gary W. Brudvig, and Mark A. Johnson
Journal of Physical Chemistry C, 124, 41, 22333–22334 (2020)
21. Terahertz Spectroscopy of Emerging Materials
Jacob A. Spies*, **Jens Neu**, Uriel T. Tayvah, Matt D. Capobianco, Brian Pattengale, Sarah Ostresh, and Charles A. Schmuttenmaer
Journal of Physical Chemistry C, 124, 41, 22335–22346 (2020)
20. Ultrafast terahertz spectroscopy provides insight into charge transfer efficiency and dynamics in artificial photosynthesis
Uriel T. Tayvah, **Jens Neu***, Jacob A. Spies, Charles A. Schmuttenmaer, and Gary W. Brudvig
Photosynthesis Research 460 (2020)
19. Suspensions of Semiconducting Nanoparticles in Nafion for Transient Spectroscopy and Terahertz Photoconductivity Measurements
Jacob A. Spies, Miryl Hilibrand, **Jens Neu**, Sarah Ostresh, John R. Swierk, and Charles A. Schmuttenmaer*
Analytical Chemistry, 92, 6, 4187–4192 (2020)
18. Influence of Dye Sensitizers on Charge Dynamics in SnO₂ Nanoparticles Probed with THz Spectroscopy
Jens Neu*, Sarah Ostresh, Kevin P. Regan, Jacob A. Spies, and Charles A. Schmuttenmaer*
Journal of Physical Chemistry C, 124, 6, 3482–3488 (2020)
17. Metal-Organic Framework Photoconductivity via Time-Resolved Terahertz Spectroscopy
Brian Pattengale*†, **Jens Neu***†, Sarah Ostresh, Gongfang Hu, Jacob A. Spies, Ryotaro Okabe, Gary W. Brudvig, and Charles A. Schmuttenmaer*
Journal of the American Chemical Society, Vol. 141, p, 9793-7 (2019)

16. Terahertz Spectroscopy of Tetrameric Peptides
Jens Neu, Elizabeth A. Stone, Jacob A. Spies, Golo Storch, Ayaka S. Hatano**, Brandon Q. Mercado, Scott J. Miller*, and Charles A. Schmittenmaer*
 Journal of Physical Chemistry Letters, Vol. 10 Issue 10, p, 2624-8 (2019)
15. Tutorial: Terahertz Time Domain Spectroscopy (THz-TDS)
Jens Neu*, and Charles A. Schmittenmaer*
 Journal of Applied Physics, Invited Tutorial, Vol. 124 Issue 22, p, 231101-14 (2018)
14. Applicability of the Thin-film Approximation in Terahertz Photoconductivity Measurements
Jens Neu*†, Kevin P. Regan†, John R. Swierk, and Charles A. Schmittenmaer*
 Applied Physics Letters, Vol. 113 Issue 23, p. 233901-5 (2018)
13. Terahertz Spectroscopy and Density Functional Theory Calculations of DL-norleucine and DL-methionine
Jens Neu*, Heinrich Nikonow**, and Charles A. Schmittenmaer*
 Journal of Physical Chemistry A, Vol. 122, Issue 28, p. 5978-5982 (2018)
12. Exploring the Solid State Phase Transition in DL-norvaline with Terahertz Spectroscopy
Jens Neu*, Coleen T. Nemes, Kevin P. Regan, Michael R. C. Williams, and Charles A. Schmittenmaer
 Physical Chemistry Chemical Physics, Vol. 20, p. 276-83 (2018)
11. Optimization of Terahertz Metamaterials for Near-field Sensing of Chiral Substances
Jens Neu*, Daniel J. Aschaffenburg, Michael R. C. Williams, and Charles A. Schmittenmaer
 IEEE Transaction on Terahertz Science and Technology, Vol.7, Issue 6, p. 755-64 (2017)
10. Frequency-dependent Terahertz Transient Photoconductivity of Mesoporous SnO₂ Films
 Kevin P. Regan, John R. Swierk, **Jens Neu**, and Charles A. Schmittenmaer*
 Journal of Physical Chemistry C, Vol. 121, Issue 29, p. 15949-56 (2017)
9. Terahertz Time Domain Spectroscopy for Carrier Lifetime Mapping in the Picosecond to Microsecond Regime
Jens Neu*, and Marco Rahm
 Optics Express, Vol. 23, Issue 10, p. 12900-9 (2015)
8. Optical Tuning of Ultra-thin, Silicon-based Flexible Metamaterial Membranes in the Terahertz Regime
 Michael A. Hoeh**, **Jens Neu***, Klemens Schmitt, and Marco Rahm
 Optical Materials Express, Vol. 5, Issue 2, p. 408-415 (2015)
7. Metamaterial-based Gradient Index Beam Steerers for Terahertz Radiation
Jens Neu*, René Beigang, and Marco Rahm
 Applied Physics Letters, Vol. 103, Issue 4, p. 041109-3 (2013)
6. Terahertz Sensing with Meta-surfaces and Integrated Circuits
 Benjamin Reinhard*, Klemens Schmitt**, Tassilo Fip, Martin F. Volk**, **Jens Neu**, Anna-Katharina Mahro**, René Beigang, and Marco Rahm
 Proc. SPIE 8585, Terahertz and Ultrashort Electromagnetic Pulses for Biomedical Applications, p858507 (2013)
5. Gradient Index Devices for Terahertz Waves and Terahertz Surface Waves
 Martin F. Volk**, Tassilo Fip, **Jens Neu**, Michael Hoeh**, Benjamin Reinhard, René Beigang, and Marco Rahm*
 Proc. SPIE 8846, Terahertz Emitters, Receivers, and Applications IV, p 884608 (2013)

4. In-plane Focusing of Terahertz Surface Waves on a Gradient Index Metamaterial Film
Martin F. Volk**, Benjamin Reinhard, **Jens Neu**, René Beigang, and Marco Rahm*
Optics Letters, Vol 38, Issue 12, p. 2156-2158 (**2013**)
3. Metamaterial Near-field Sensor for Deep-Subwavelength Thickness Measurements and Sensitive Refractometry in the Terahertz Frequency Range
Benjamin Reinhard*, Klemens M. Schmitt**, Viktoria Wollrab**, **Jens Neu**, René Beigang, and Marco Rahm
Applied Physics Letters, Vol. 100, Issue 22, p. 221101-3 (**2012**)
2. Bound Terahertz Waves on Meta-surfaces and Active Metamaterials
Juan-Luis Garcia Pomar*, Benjamin Reinhard, **Jens Neu**, Viktoria Wollrab**, Oliver Paul, René Beigang, and Marco Rahm
Proc. SPIE 7945, Quantum Sensing and Nanophotonic Devices VIII, p. 79450V (**2011**)
1. Metamaterial-based Gradient Index Lens with Strong Focusing in the THz Frequency Range
Jens Neu†, Bernd Krolla†, Benjamin Reinhard, René Beigang, and Marco Rahm *
Optics Express, Vol. 18, Issue 26, p. 27748-27757 (**2010**)

*Corresponding Author **Undergraduate Mentee †Contributed Equally

Selected Invited Talks and International Conferences, Presenting-Author

26. Terahertz Spectroscopy of Emerging Materials for Solar Applications
Jens Neu, Jacob A. Spies, Matt D. Capobianco, Sarah Ostresh, Uriel T. Tayvah, Gary W. Brudvig, and Charles A. Schmuttenmaer
Tutorial speaker
9th International Conference on Optical Terahertz Science and Technology (OTST), Budapest (HU), (2022)
25. THz-Photoconductivity and THz-Conductivity in Metal-Organic Frameworks (MOFs)
Jens Neu, Sarah Ostresh, Brian Pattengale, and Gary W. Brudvig
Invited Talk
47th International Conference on Infrared, Millimeter, and Terahertz Waves (IRMMW-THz), Delft (NT) (2022)
24. Understanding/Designing Novel Materials: from Metamaterials to Metal Organic Frameworks, and Beyond! (2022)
Jens Neu
Invited Talk at The University of North Texas, Denton, Tx, USA
23. Understanding/Designing Novel Materials: from Metamaterials to Metal Organic Frameworks, and Beyond! (2022)
Jens Neu
Invited Talk at The University of Texas, San Antonio, San Antonio, Tx, USA
22. Understanding/Designing Novel Materials: from Metamaterials to Metal Organic Frameworks, and Beyond! (2022)
Jens Neu
Invited Talk at Miami University, Oxford, Oh, USA
21. THz Spectroscopy of Emerging Materials for Light Driven Processes and Energy Harvesting
Jens Neu, Brian Pattengale, Sarah Ostresh, Matt D. Capobianco, and Gary W. Brudvig
Invited Talk
Photonics West, San Diego (US) (2021)
20. THz-TDS And TRTS Of Metal Organic Frameworks And 2D Materials
Jens Neu, Brian Pattengale, Sarah Ostresh, Matt D. Capobianco, Gary W. Brudvig, and Charles A. Schmuttenmaer
Oral Presentation
46th International Conference on Infrared, Millimeter, and Terahertz Waves (IRMMW-THz), Chengdu, Online (China) (2021)
19. Photophysics and Terahertz Spectroscopy of Conductive Bacteria “Hair”
Jens Neu
Invited Oral Presentation
Physics Colloquium at Wesleyan University, Middletown, CT, (USA) 2020
18. Terahertz Time Domain Spectroscopy and Density Functional Theory Calculations Of Peptides
Jens Neu, and Charles A. Schmuttenmaer
Invited Talk
45th International Conference on Infrared, Millimeter, and Terahertz Waves (IRMMW-THz), Buffalo, NY (USA) (2020)
17. Terahertz-Conductivity in Biological Nanowire-Networks

Jens Neu, Sophia M. Yi, Yangqui Gu, Patrick O'Brien, Vishok Srikanth, Dennis Vu, Charles A. Schmuttenmaer, and Nikhil S. Malvankar

Keynote

44th International Conference on Infrared, Millimeter, and Terahertz Waves (IRMMW-THz), Paris (France) (2019)

16. Terahertz Spectroscopy from Metamaterials to Conductive Bacteria Hair, and Beyond!

Jens Neu

Invited Oral Presentation

Southern Illinois University (2019)

15. Terahertz Spectroscopy from Metamaterials to Conductive Bacteria Hair, and Beyond!

Jens Neu

Invited Oral Presentation

Kennesaw State University (2019)

14. Terahertz Spectroscopy of Peptides and Biological Nanowires

Jens Neu

Invited Oral Presentation

TU Kaiserslautern (2018)

13. Metamaterial Enhanced Terahertz Spectroscopy

Jens Neu

Invited Oral Presentation

Florida A&M University (2018)

12. Identifying Peptide Structures With THz Spectroscopy

Jens Neu, Ayaka S. Hatano, Elizabeth A. Stone, Golo Storch, Jacob A. Spies, Scott J. Miller, and Charles A. Schmuttenmaer

Oral Presentation

43rd International Conference on Infrared, Millimeter, and Terahertz Waves (IRMMW-THz), Nagoya (Japan), (2018)

11. Terahertz Conductivity In Proteins

Jens Neu, Sophia M. Yi, Yangqui Gu, Nikhil S. Malvankar, and Charles A. Schmuttenmaer

Oral Presentation

43rd International Conference on Infrared, Millimeter, and Terahertz Waves (IRMMW-THz), Nagoya (Japan), (2018)

10. Temperature-Resolved Terahertz Time Domain Spectroscopy to Investigate Solid State Phase-Transitions in Amino Acid Crystals

Jens Neu, Coleen T. Nemes, Michael R. C. Williams, Kevin P. Regan and Charles A. Schmuttenmaer

Oral Presentation

42nd International Conference on Infrared, Millimeter, and Terahertz Waves (IRMMW-THz), Cancun (Mexico), (2017)

9. Temperature-Dependent Terahertz Time Domain Spectroscopy to Investigate Solid State Phase Transitions in Molecular Crystals

Jens Neu, Coleen T. Nemes, Michael R. C. Williams, Kevin P. Regan and Charles A. Schmuttenmaer

Poster Presentation

7th International Conference on Optical Terahertz Science and Technology (OTST), London (UK), (2017)

8. Towards Adaptive Metamaterials for the Terahertz Range
Jens Neu, Michael Hoeh, Klemens Schmitt, Judith Hohmann, René Beigang and Marco Rahm
 Oral Presentation
 Brown University THz Mini-Symposium, Providence, RI, (**2016**)
7. Towards Adaptive Metamaterials for the Terahertz Range
Jens Neu, Michael Hoeh, Klemens Schmitt, Judith Hohmann, René Beigang and Marco Rahm
 Invited Talk
 Yale University, New Haven, CT (USA), (**2016**)
6. Towards Adaptive Metamaterials for the Terahertz Range
Jens Neu, Michael Hoeh, Klemens Schmitt, Judith Hohmann, René Beigang and Marco Rahm
 Invited Talk
 FOM Institute for Atomic and Molecular Physics (AMOLF), Amsterdam, (NL), (**2015**)
5. Time-Domain Optical Pump - Terahertz Probe Spectroscopic Imager for Carrier Lifetime Measurements in the Pico- to Microsecond Regime
Jens Neu and Marco Rahm
 Oral Presentation
 40th International Conference on Infrared, Millimeter, and Terahertz Waves (IRMMW-THz), Hong Kong (HK), (**2015**)
4. Silicon-based, Ultra-Thin, Flexible Optically Tunable Metamaterial- Bandpass Filter in the THz-Regime
 Michael Hoeh, Jens Neu, Klemens Schmitt and Marco Rahm
 Oral Presentation
 39th International Conference on Infrared, Millimeter, and Terahertz Waves (IRMMW-THz), Tucson (USA), (**2014**)
3. Metamaterial-Based Gradient Index Beam Steerer Operating in the THz-Regime
Jens Neu and Marco Rahm
 Poster Presentation
 Metamaterials 2013 The 7th International Congress on Advanced Electromagnetic Materials in Microwaves and Optics, Bordeaux (France), (**2013**)
2. Metamaterial-Based, Gradient Index Beam Steerer for Terahertz Radiation
Jens Neu and Marco Rahm
 Oral Presentation
 Conference on Lasers and Electro-Optics (CLEO) 2013, San Jose (USA), (**2013**)
1. Metamaterial-Based Gradient Index Lens for Strong Focusing in the THz Frequency Range
Jens Neu, Bernd Krolla, Oliver Paul, Benjamin Reinhard, René Beigang and Marco Rahm
 Oral Presentation
 Metamaterials 2011 The 5th International Congress on Advanced Electromagnetic Materials in Microwaves and Optics, Barcelona (Spain), (**2011**)