A1.5 (S. Linden / M. Wegener)


Subproject A1.5 Invited Talks at International Conferences (2006-2013)

M. Wegener, Photonic metamaterials: Optics starts walking on two feet, Invited Tutorial, Optical Society of America (OSA) Annual Meeting “Frontiers in Optics”, Rochester (U.S.A.), October 8-12, 2006

S. Linden and M. Wegener, Photonic crystals and metamaterials: Tailoring optical properties, Symposium on Photonics Technologies for the 7th Framework, Wroclaw (Poland), October 12-14, 2006

M. Wegener, Photonic Metamaterials: Linear and nonlinear optical properties, International seminar and workshop on Nonlinear Physics in Periodic Structures and Metamaterials, Max Planck Institute for the Physics of Complex Systems, Dresden (Germany), March 26-30, 2007

G. Dolling, S. Linden, C.M. Soukoulis, and M. Wegener, Negative-index metamaterials have reached the visible, 2007 Progress in Electromagnetic Research Symposium (PIERS), Beijing (China), March 26-30, 2007

M. Wegener, Metamaterials: Magnetism enters photonics, Spring-Meeting of the German Physical Society (DPG), Regensburg (Germany), March 26-30, 2007


M. Wegener, *Photonic metamaterials: Optics starts walking on two feet*, International Workshop on semiconductor nanostructures SEMINANO, Bad Honnef (Germany), June 13-16, 2007


M. Wegener, S. Linden, and C.M. Soukoulis, *Photonic metamaterials: Optics starts walking on two feet, III. International Workshop on Photonic and Electronic Materials*, Donostia (San Sebastian, Spain), July 4-6, 2007


S. Linden, C.M. Soukoulis, and M. Wegener, *Metamaterials see the light*, 7th Pacific Rim Conference on Lasers and Electro-Optics (CLEO/Pacific Rim 2007), Seoul (South-Korea), August 26-31, 2007

M. Wegener, *Photonic crystals and metamaterials*, Werner and Else Heraeus Summer School Photonics Design, Rauischholzhausen (Germany), September 10-14, 2007


M. Wegener, *Photonic Metamaterials: Optics Starts Walking on Two Feet*, International Workshop on Spin- and Optoelectronics, Berlin (Germany), September 26-29, 2007


M. Wegener, C.M. Soukoulis, and S. Linden, *Photonic metamaterials: Optics starts walking on two feet*, Annual Meeting of the Danish Optical Society, Riso National Laboratory, Copenhagen (Denmark), November 22-23, 2007


M. Wegener and S. Linden, *Recent Progress on Photonic Metamaterials*, 38th Winter Colloquium on the Physics of Quantum Electronics (PQE), Snowbird (U.S.A.), January 6-10, 2008


M. Wegener, *Periodic Nanostructures for Photonics: An Introduction*, 403rd International Seminar on Periodic Nanostructures for Photonics, Werner and Else Heraeus Foundation, Bad Honnef (Germany), February 27-29, 2008


M. Wegener and S. Linden, *Ultrafast Spectroscopy on Photonic Metamaterials*, 416th International Seminar on Ultrafast Nanoanalytics, Werner and Else Heraeus Foundation, Bad Honnef (Germany), June 2-4, 2008


M. Wegener, *Photonic Metamaterials: Optics Starts Walking on Two Feet*, Invited Plenary Talk, International Workshop on Computational and Theoretical Nano-Photonics (IWCTNP), Bad Honnef (Germany), December 3-5, 2008


M. Wegener and S. Linden, *Photonic Metamaterials: Recent Progress*, Annual Dutch Physics Meeting “Physics@FOM 2009”, Veldhoven (The Netherlands), January 20-21, 2009


M. Wegener and S. Linden, *Photonic Metamaterials: Recent Progress*, PECS VIII – The 8th International Photonic & Electromagnetic Crystal Structures Meeting, Cockle Bay Warf, Sydney (Australia), April 5-9, 2009


M. Wegener, *Photonic Metamaterials: Recent Progress*, European Quantum Electronics Conference (EQEC) 2009, Munich (Germany), June 14-19, 2009

M. Wegener and S. Linden, *Photonic Metamaterials: Recent Progress*, International Conference on “Surface Plasmon Photonics-4 (SPP4)”, Amsterdam (The Netherlands), June 21-26, 2009


M. Wegener, *Photonic Metamaterials: Recent Progress*, Fall Meeting of the Material Research Society (MRS) of America, Boston (U.S.A.), November 30 - December 4, 2009


M. Wegener, *Fabrication and characterization of chiral photonic metamaterials*, Invited Tutorial, MRS Spring Meeting, San Francisco (U.S.A.), April 5-9, 2010

M. Wegener, *Photonic Metamaterials: Optics Starts Walking on Two Feet*, Invited Tutorial, 15th European Conference on Integrated Optics (ECIO 10), Cambridge (United Kingdom), April 7-9, 2010

S. Linden, J.K. Gansel, M. Decker, and M. Wegener, *Chiral metamaterials for optical frequencies*, SPIE Photonics Europe, Brussels (Belgium), April 12-16, 2010

M. Wegener, *Photonic metamaterials go three-dimensional*, International Conference on Quantum Electronics and Laser Science (QELS), San Jose (U.S.A.), May 16-21, 2010

M. Wegener, *Photonic Metamaterials: Recent Progress*, Royal Society Theo Murphy Discussion Meeting on Metallic metamaterials and plasmonics, Kavli Royal Society International Centre for the Advancement of Science, Chicheley Hall (United Kingdom), June 2-3, 2010


M. Wegener, *Photonic metamaterials and transformation optics*, iNANO International summer school in advanced photonics, Fuglsocenter (Denmark), September 3-7, 2010


M. Wegener, *Photonic Metamaterials and Transformation Optics: Recent Progress*, Spring-Meeting of the German Physical Society (DPG), Dresden (Germany), March 13-18, 2011

M. Wegener, *3D Photonic Metamaterials and Transformation Optics*, Invited Plenary Talk, International Conference on Nanophotonics (ICNP), Shanghai (China), May 22-26, 2011


M. Wegener, *Photonic Metamaterials: Recent Progress*, 500th International Heraeus Seminar on Highlights of Quantum Optics, Werner and Else Heraeus Foundation, Bad Honnef (Germany), May 7-11, 2012

M. Wegener, *3D Photonic Metamaterials and Transformation Optics*, Invited Plenary Talk, 3M-NANO International Conference, Xi’an (China), August 29 - September 1, 2012


M. Wegener, *Metamaterials and transformation optics*, Invited Plenary Talk (“Festvortrag”), Spring meeting of the German Physical Society (DPG), Berlin (Germany), March 25-30, 2012


M. Wegener, *Recent experimental progress in 3D transformation optics and optical metamaterials*, 5th GCOE International Symposium on Photonics and Electronics Science and Engineering, Kyoto (Japan), March 9, 2012

M. Wegener, *Recent experimental progress on metamaterials*, The Tenth International Congress on Photonic and Electromagnetic Crystal Structures (PECS-X), Santa Fe (U.S.A.), June 3-8, 2012


M. Wegener, *Optical and mechanical metamaterials*, Invited Keynote Talk, 19th International Conference on Computational and Experimental Engineering and Sciences (ICCES’12), Crete (Greece), April 30 - May 4, 2012


M. Wegener, *Three-dimensional photonic metamaterials*, International Workshop on Nanophotonics, Trieste (Italy), December 3-7, 2012

M. Wegener, *Metamaterials for Transformation-Physics*, International Student Conference on Microtechnology, Freiburg (Germany), October 8-14, 2012

M. Wegener, *Recent progress on metamaterials for transformation physics*, The 4th International Topical Meeting on Nanophotonics and Metamaterials, NANOMETA2013, Seefeld (Austria), January 3-6, 2013


M. Wegener, *Transformation materials for optics, elastodynamics, and thermodynamics*, International workshop “Controlling the propagation of waves in complex media: from shaping wavefields to designing smart materials”, Cargese, Corsica (France), May 27 - June 1, 2013


M. Wegener, *Photonic Metamaterials and Transformation Optics*, International Summer School on “Nanostructures for optics and photonics”, Advanced Study Institute, Ettore Majorana Centre, Erice (Italy), July 4-19, 2013


M. Wegener, *Spectroscopy on individual metamaterial building blocks*, MRS Fall Meeting, Boston (U.S.A.), December 1-6, 2013