

Georgios Ctistis

Curriculum vitae

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Personal information

Born: January 2nd, 1975 in Berlin, Germany
Nationality: German, Greek

Professional Experience

since 09.2017 **Group Leader**, *Laser-Laboratory Göttingen*.

Photonic Sensor Technology

- Project leader "COCO-Sense": Non-dispersive infrared spectroscopy, gas sensor technology
- Raman-spectroscopy, optics, trace gas analysis
- Supervision of Ph.D., M.Sc., and B.Sc. students

2014–2016 **Assistant Professor**, *Saxion University of Applied Sciences, Enschede, The Netherlands*.

NanoBio Interface Group

- Project leader "Lab-on-a-Chip": Nanoparticles, Optics, Micro- and nanofluidics
- Project leader "Magnetic Nanocomposite Materials": magnetic nanoparticles, composites, optics, magneto-optics
- Teaching in the M.Sc. study route Nanotechnology
- Supervision of Ph.D., M.Sc., and B.Sc. students

2013–2014 **Postdoctoral fellow**, *Complex Photonic Systems (COPS), MESA+ Institute for Nanotechnology, University of Twente, The Netherlands*.

Applied Quantum Optics.

- Quantum optics, build-up of single photon source, quantum key distribution
- Teaching tutorials
- Supervision of Ph.D., M.Sc., and B.Sc. students

2011–2013 **Postdoctoral fellow**, *Joint Position at Complex Photonic Systems (COPS) and Integrated Optical Microsystems (IOMS), MESA+ Institute for Nanotechnology, University of Twente, The Netherlands*.

Reversible slowing of light by nanophotonic phase imprint.

- Ultrafast optics, design of Si nanophotonic structures, photonic crystals
- Teaching tutorials
- Supervision of Ph.D., M.Sc., and B.Sc. students

2008–2011 **Postdoctoral fellow**, *Complex Photonic Systems (COPS), MESA+ Institute for Nanotechnology, University of Twente and prior at the FOM-Institute for Atomic and Molecular Physics (AMOLF).*

Ultrafast all-optical switching of photonic structures such as planar microcavities, micropillars

- Ultrafast optics, design of Si nanophotonic structures, photonic crystals
- Teaching tutorials
- Supervision of Ph.D., M.Sc., and B.Sc. students

2006–2008 **Postdoctoral fellow**, *Nanoparticle Technology group, Center of Advanced European Studies and Research caesar, Bonn (Germany).*

Near- and far-field optical investigation of nano hole arrays in thin metal films.

- Interaction of light with magnetic sub-wavelength hole arrays.
- Plasmonics, optical spectroscopy, TEM, SEM, nanoparticle fabrication
- Supervision of Ph.D. and M.Sc. students

2001–2006 **PhD fellow**, *Physics Department, Free University of Berlin, Berlin (Germany).*

Thesis: Second-harmonic generation by means of near-field optical microscopy – Setup and first measurements.

- Development of a scanning near-field optical microscope for operation with fs-laser pulses.
- Optics, near-field optics, ultra-fast physics, and scanning probe techniques.
- Teaching in practical lab courses and giving tutorials.

Education

2001–2006 **PhD (Dr. rer. nat.)**, *Free University of Berlin, Berlin (Germany), magna cum laudæ.*

Thesis title: Second harmonic generation by means of near-field optical microscopy – Setup and first measurements. defence: Jul 2006

Supervisors: Prof. Dr. P. Fumagalli and Prof. Dr. F. Forstmann

Development of a scanning near-field optical microscope for operation with fs-laser pulses in transmission for near-field magneto-optics. The work comprised the planning and improvement of the different setups, data analysis, and theoretical modelling of the data.

1995–2001 **Diploma studies in Physics**, *Free University of Berlin, Berlin (Germany), very good.*

Thesis title: Growth studies of MnBi on Si(111) with Reflection High-Energy Electron Diffraction (RHEED) and Auger-electron spectroscopy (AES)

Supervisors: Prof. Dr. P. Fumagalli and Dr. J. J. Paggel

Languages

German native
Greek native
English fluent
Dutch advanced (C1)
French basic (A2)

Computer skills

Programming Pascal, C/C++, HTML, MATLAB OS MacOS, Windows, Linux
LAB

Data Analysis Igor, Origin, Mathematica, MATLAB
Text / DTP MS-Office, TeX/LaTeX, iWork, FrameMaker, InDesign

Project- MS-Project
planning
extra Adobe Creative Suite

Referee activity

- Physical Review Letters
- Applied Physics Letters
- Journal of the Optical Society of America B
- Optics Express
- Annalen der Physik
- Sensors
- Scientific Reports
- Physical Review B
- Journal of Applied Physics
- Applied Optics
- Journal of Modern Optics
- Materials

Memberships

- Optical Society of America
- German Physical Society
- American Physical Society