

Akira Ozawa

Date of birth 3rd Oct. 1981
Nationality Japanese

Max-Planck-Institute of Quantum Optics
Hans-Kopfermann-Strasse 1
85748 Garching, Germany

Phone +49 89 32905 266
e-mail akira.ozawa@mpq.mpg.de

• EDUCATION

- Feb. 2006 – Dec. 2009 “Frequency combs in the extreme ultraviolet”
Dr. rer. nat. (summa cum laude)
Ludwig-Maximilians-Universität München,
Max-Planck-Institute of Quantum Optics, Germany
Supervisor: Prof. T.W. Hänsch
- Apr. 2004 – Mar. 2006 Master of Science in Physics
Department of Physics, Graduate School of Science,
The University of Tokyo, Japan
Supervisor: Prof. T. Kobayashi
- Apr. 2000 – Mar. 2004 Bachelor of Science in Physics
Department of Physics
The University of Tokyo, Japan

• CURRENT POSITION

- Feb. 2014 – today Researcher
Laser spectroscopy division (Prof. T.W. Hänsch)
Max-Planck-Institute of Quantum Optics, Germany

• PREVIOUS POSITION

- Jan. 2010 – Feb. 2014 Research Associate (Jokyo)
Laser and Synchrotron Research Center (Prof. Y.Kobayashi)
The Institute for Solid State Physics,
The University of Tokyo, Japan

• AWARDS

- The Japan Society of Applied Physics, The 33rd Autumn Meeting, 2012
Young scientist presentation award
High precision spectroscopy using vacuum ultraviolet frequency combs
Akira Ozawa, Yohei Kobayashi

CLEO-PR&OECC/PS 2013 Best Paper Awards
Intracavity High Harmonic Generation At 80 and 10 MHz Repetition Rates
Akira Ozawa, Makoto Kuwata-Gonokami and Yohei Kobayashi

- **TEACHING ACTIVITIES**

2021 – 2022 Lecture “Atomic Spectroscopy”
Ludwig-Maximilians-Universität München

2020 – 2021 Lecture “Quantum Optics”
Ludwig-Maximilians-Universität München
Technische Universität München

- **GRANT**

Jan. 2021-Jun. 2021
MCQST (EXC-2111) German Research Foundation
Subject : *Experimental and numerical investigations on low-noise XUV frequency comb generation*

- **PATENTS**

Generating laser pulses and spectroscopy using the temporal talbot effect
US patent US20180233877
Th. Udem and A. Ozawa

Spectral apparatus, detection apparatus, light source apparatus, reaction apparatus, and measurement apparatus
US patent US9594253B2
Takashi Sukegawa, Yohei Kobayashi, Akira Ozawa, Mamoru Endo, Makoto Gonokami

- **INVITED TALKS**

VUV Frequency Comb Generation and its Applications (invited)
Akira Ozawa, Zhao Zhigang, Makoto Kuwata-Gonokami and Yohei Kobayashi
HTu3C.1, High-Intensity Lasers and High-Field Phenomena (HILAS) (2014)

VUV frequency comb generation based on Yb-doped fiber lasers and its application for comb spectroscopy (invited)
Akira Ozawa and Yohei Kobayashi
Ultrafast Optics 2013, Davos, Switzerland (2013)

XUV frequency combs (invited)
Akira Ozawa, Andreas Vornaleken, Igor Gotlibovych, Peter Hommelhoff, Thomas Udem and Theodor W. Hänsch
SPIE International Symposium, Photonics Europe (2010)

Current Progress in XUV frequency combs (invited)
Akira Ozawa
2nd International Conference on Attosecond Physics, Manhattan, KS, USA (2009)

- **CITATION STATISTICS**

I have 40 publications in peer-reviewed international journals and 3 monographs.
Among them, I am a first or last author in 19 publications.
Google Scholar citation profile: h-index: 20, i10-index: 28, 1781 citations.

- **MISCELLANEOUS**

Languages: English, Japanese

Hobbies: Skiing, hiking, taking aerial photography using drones