

## CV Summary (1 page)



- **PERSONAL INFORMATION**

**Family Name, First Name** : Tzallas Paraskevas

**Researcher unique identifier:** [Paraskevas Tzallas on Google Scholar](#)

**Date of birth** : Grevena-Greece, Feb. 4, 1974.

**Nationality:** Hellenic

**Office address** : Foundation for Research and Technology - Hellas, Institute of Electronic Structure and Laser (FORTH-IESL), N. Plastira 100, Vassilika Vouton, 70013, Heraklion, Crete, Greece, Tel.: +30-81-391127, Fax: +30-81-391305, e-mail: ptzallas@iesl.forth.gr

**URL for web site:** <https://www.iesl.forth.gr/en/research/attosecond-science>

- **CURRENT POSITION (S)**

**2017-now:** Research Director (Researcher A') and board member of the scientific council of FORTH-IESL

**2014-now:** Senior Research fellow and Scientific Advisor at Extreme Light Infrastructure-Attosecond Light Pulse Source (ELI-ALPS), Szeged, Hungary

- **PREVIOUS POSITIONS**

**2002-2004:** Post-Doc in MAX-PLANCK-INSTITUT FÜR QUANTENOPTIK in Garching (Germany)

**2004-2017:** Researcher D', Researcher C' and Principal Researcher (Researcher B') at FORTH-IESL

- **EDUCATION**

**1992 (Oct.)-1996(July)** : Diploma degree in Physics, Univ. of Ioannina-Greece

**1996 (Oct.)-2002 (Jan.)** : Post graduate student in AMO Physics lab. of Department of Physics of University of Ioannina in collaboration with Rutherford Appleton Laboratory (UK) and the Department of Physics and Astronomy, University of Glasgow, UK.

- **CAREER BREAKS (total=9 months):**

**2004:** 6 Months military obligation in the Greek Armed Forces (Career Break). I was acknowledged by the Greek Ministry of National Defence as a Distinguished Scientist of Abroad.

- **RESEARCH INTERESTS:** Atomic, Molecular and Optical physics (AMO); Attosecond science and strong laser field physics; Quantum Optics in Strong laser field physics

- **RESEARCH HIGHLIGHTS**

- First direct observation of attosecond light bursts emitted from gas and solid state media (*Nature* (2003); *Nature Phys.* (2009); *APL Photonics* (2019)).

- First observation of atomic direct double ionization by harmonic superposition (*PRA* (2006)).

- Generation of intense continuum XUV radiation by multi-cycle laser fields (*Nature Phys.* (2007)).

- XUV pump-XUV probe studies of 1-fs electron dynamics (*PRL* (2010); *Nature Phys.* (2011); *PRA* (2014))

- Time gated ion microscopy in the XUV spectral range (*PRA* (2014); *Sci. Rep.* (2016); *J. Opt.* (2018)).

- Generation of coherent XUV pulses with the highest ever photon flux (*PRA* (2018), *Sci. Rep.* (2020)).

- Linking quantum optics with strong-laser-field physics (*Sci.Rep.*(2016); *Nature Com.*(2017); *PRL* (2019)).

- **PUBLICATIONS IN INTERNATIONAL REFEREED JOURNALS:** 71 published papers, including 1 *Nature*, 3 *Nature Phys.*, 1 *Nature Comm.*, 6 *Phys. Rev. Lett.*, 1 *Physics Reports*, 12 *Phys. Rev. A*, 3 *Optica*, 1 *Opt. Lett.*, 5 *Sci. Rep.*, 5 *New J. Phys.*, 6 *J. Phys. B*, 2 *Optics Express*, 2 *Appl. Phys. B*, 2 *Chem. Phys. Lett.*, 2 *J. Phys. Chem. A* e.t.c., 5 chapters in books, and 5 Invited review/perspective articles in international scientific journals with  $\approx 2500$  citations, h-factor = 27 ([database: Google Scholar](#)).

- **TALKS IN CONFERENCES/UNIVERSITIES/INSTITUTES:** 2 keynote, 31 invited and 15 oral

- **REFeree IN INTERNATIONAL SCIENTIFIC JOURNALS:** 1) *Nature Photonics* 2) *Nature Communications* 3) *Physical Review Letters* 4) *Scientific Reports* 5) *Physical Review A* 6) *Optics Letters* 7) *New Journal of Physics* 8) *Optics Express* 9) *Journal of Physics B* 10) *Journal of Quantum Electronics* 11) *Applied Physics B*.

- **PROPOSAL REVIEWER** for Austrian Science Fund funds (FWF), Austria.

- **SUPERVISION OF GRDUATE STUDENTS AND POSTDOCTORAL FELLOWS:** 4 PostDocs; 6 PhD students; 8 Master Students and 4 Diploma students.

- **PRESENT COLLABORATIONS**

1) Max Planck Institute for Quantum Optic (MPQ), Garching, Germany. 2) Institute of Carnot de Bourgogne, Dijon, France. 3) Max Planck Institute of Microelectronics, Halle, Germany. 4) Imperial College, London, UK. 5) Dublin City University, Dublin, Ireland. 6) University Autonoma of Madrid, Madrid, Spain. 7) Laval University, Quebec. 8) ICFO, Barcelona. 9) ELI-ALPS Hungary.