

ΒΙΟΓΡΑΦΙΚΟ ΣΗΜΕΙΩΜΑ

Θωμάς ΧΡΙΣΤΟΠΟΥΛΟΣ

Μεταδιδακτορικός Ερευνητής
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Education

Ph.D. in Electrical and Computer Engineering, Department of Electrical and Computer Engineering, Aristotle University of Thessaloniki, Greece (2019)

Diploma in Electrical and Computer Engineering, Department of Electrical and Computer Engineering, Aristotle University of Thessaloniki, Greece (2014)

Research and Teaching Experience

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| 2023 - present | Postdoctoral Researcher, Theoretical and Physical Chemistry Institute, National Hellenic Research Foundation, Greece |
| 2019 - present | Postdoctoral Researcher, Department of Electrical and Computer Engineering, Faculty of Engineering, Aristotle University of Thessaloniki, Greece |
| 2021 - 2022 | Postdoctoral Researcher, Institute of Electronic Structure and Laser, Foundation of Research and Technology, Greece |
| 2015 - 2019 | Research and Teaching Assistant, Department of Electrical and Computer Engineering, Faculty of Engineering, Aristotle University of Thessaloniki, Greece |

Research Interests

- Nonlinear phenomena in photonics, plasmonics, and contemporary 2D materials

- Design and modeling of nonlinear components and devices
- Photonic and plasmonic nanoresonators
- Computational analysis of leaky systems and quasi-normal modes (QNMs)
- Integrated optical silicon-on-insulator devices
- Computational electromagnetics
- Metamaterials and metasurfaces in microwave, THz, infrared, and optical frequencies

Conferences and Publications

- 23 announcements in international and/or national peer-reviewed conferences
- 17 research papers in peer-reviewed international journals
- Citations: More than 370 citations and h-index = 10 (Google Scholar, 10/2023)

Teaching activities

- (2020-today) Single Course Instructor in pIVP AKMH: *Electrotechnology* (theoretical and laboratory part), *Mechanical and Electrical Design*
- (2015-2019) Teaching Assistant in School of Electrical and Computer Engineering, Aristotle University of Thessaloniki: *Computer Systems* (1st semester), *Optical Communications* (8th semester), *Microwaves II* (9th semester), and *Photonics Technology* (9th semester).
- Co-supervision of 7 Master-level (MSc and diploma degrees) thesis projects

Research Management & Evaluation

- Reviewer for more than twenty photonics, optics, microwaves, and physics scientific journals (ACS, Optica, IEEE, Springer, MDPI)
- Application reviewer for the Optica Siegmán International School on Lasers

Honors and Awards

- Scholarship (honorable citation) from the Bodossaki Foundation for PhD Studies
- Undergraduate excellence scholarship from State Scholarship Foundation (IKY)

Professional Affiliations and Memberships

- (2018 - present) Member of Optica (formerly OSA)
- (2017 - 2020) Member of Institute of Electrical and Electronics Engineers (IEEE)
- (2018 - 2019) Member of the European Optical Society (EOS)