

ΒΙΟΓΡΑΦΙΚΟ ΣΗΜΕΙΩΜΑ

Δημήτριος Χατζηδημητρίου

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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 (2013)

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 |
| 2022 - 2023 | Adjunct Lecturer in Anatolia College of Thessaloniki for the NUin program of Northeastern University (Boston MA, USA) |
| 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 waveguiding components
- Non-reciprocal photonic components
- Non-Hermitian, topological photonics
- Computational electromagnetics
- Metamaterials and metasurfaces in microwave, THz, infrared, and optical frequencies

Conferences and Publications

- 8 announcements in international and/or national peer-reviewed conferences
- 7 research papers in peer-reviewed international journals
- Citations: More than 150 citations and h-index = 5

Teaching activities

- (2022-today) Adjunct lecturer in Anatolia College of Thessaloniki: *Classical Physics 101*, Discrete Structures (Computer Science 180).
- (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 4 Master-level (MSc and diploma degrees) thesis projects

Research Management & Evaluation

- Reviewer for photonics, optics, microwaves, and physics scientific journals (Optica, IEEE, Springer, MDPI)

Honors and Awards

- Undergraduate excellence scholarship from Aristotle research committee.
- Undergraduate excellence scholarship from State Scholarship Foundation (IKY)

Professional Affiliations and Memberships

- (2019 - 2020) Member of the European Optical Society (EOS)