Chamberlain Hrdlicka
Attorneys at Law

Practice Areas

- Intellectual Property

Education

- Ph.D., Applied Physics, Rice University
- M.S., Applied Physics, Rice University
- M.S., Electrical Engineering, Florida International University
- B.S., Electrical and Electronics Engineering, Turgut Ozal University

Honors

- IOP Trusted Reviewer (2023)
- Recipient of MDPI Nanomaterials Outstanding Reviewer Award (2020)
- Guest Editor for MDPI Nanomaterials
- Guest Editor for MDPI Biosensors
- Member of Reviewer Board of MDPI Nanomaterials
- Member of Topical Advisory Panel for the “Solar Energy and Solar

Burak Gerislioglu, Ph.D.

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Dr. Burak Gerislioglu is a patent agent with a robust background in electrical engineering and applied physics, specializing in patent preparation and prosecution. His extensive experience encompasses fields such as computer architecture, information security, data management, artificial intelligence, and optical/photonic devices.

Burak earned his Ph.D. and a second M.S. in applied physics from Rice University, focusing his research on theoretical and experimental light-matter interactions to develop next-generation optical instruments. He also holds an M.S. in electrical engineering from Florida International University, where he researched novel metastructures for bio/chemical sensing and communication. His B.S. in Electrical & Electronics Engineering from Turgut Ozal University involved research on phase-change materials for memory applications and active battery balancing topologies for hybrid systems.

Patents:

1. A sensor platform based on toroidal resonances for rapid detection of biomolecules, U.S. Patent No: 10,288,563 (2019)
2. Phase-change material based reconfigurable antenna, U.S. Patent No: 9,923,267 (2018)

Burak Gerislioglu, Ph.D., Continued

Cells" Section of MDPI Nanomaterials

Bar Admissions

- United States Patent and Trademark Office