

## Special Issue

# Advances in Quantum Sensing and Systems

### Message from the Guest Editors

The aim of this Special Issue is to encourage and inspire original ideas in quantum engineering through the use of theoretical predictions (the first step in developing real-world sensors and devices). This issue will encourage incremental advances, in addition to articles which are simply describing classical sensing with a quantum framework. Potential topics include but are not limited to:

- Theoretically predicted performance (null, incremental, or substantial) in a sensor or system using quantum phenomena;
- Describing an existing classical sensor, system, or phenomenon with a quantum framework;
- Classical and quantum cooperative sensing and systems;
- New communication or key distribution protocols;
- Quantum computing algorithms and advances;
- Prototype or proof-of-concept experimental results of a quantum sensor or system (failed, null, or successful);
- Packaging a quantum experiment into a closed-form device.

---

### Guest Editors

Dr. Matthew Brandsema

Penn State Applied Research Laboratory (PSU-ARL), State College, PA, USA

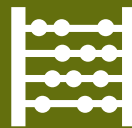
Dr. Jonathan Blakely

U.S. Army Combat Capabilities Development Command Aviation and Missile Center, Huntsville, AL, USA

---

### Deadline for manuscript submissions

closed (10 June 2023)



## Axioms

---

an Open Access Journal  
by MDPI

---

Impact Factor 1.6



[mdpi.com/si/133323](https://mdpi.com/si/133323)

*Axioms*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[axioms@mdpi.com](mailto:axioms@mdpi.com)

[mdpi.com/journal/](https://mdpi.com/journal/)

[axioms](https://axioms)





# Axioms

---

an Open Access Journal  
by MDPI

---

Impact Factor 1.6



[mdpi.com/journal/  
axioms](https://mdpi.com/journal/axioms)



## About the Journal

### Message from the Editor-in-Chief

*Axioms* is dedicated to the foundations (structure and axiomatic basis, in particular) of mathematical theories, not only from a crisp or strictly classical sense, but also from a fuzzy and generalized sense. This includes the more innovative current scientific trends, devoted to discover and solve new challenging problems. The prime goal of *Axioms* is to publish first-class, original research articles under an open access policy with minimal fees for the authors. We would be pleased to welcome you as one of our authors.

---

### Editor-in-Chief

Prof. Dr. Humberto Bustince

Department of Statistics, Computer Science and Mathematics, Public University of Navarra, 31006 Pamplona, Spain

---

### Author Benefits

#### Open Access

– free for readers, with article processing charges (APC) paid by authors or their institutions.

#### High visibility:

indexed within SCIE (Web of Science), dblp, and other databases.

#### Journal Rank:

JCR - Q2 (Mathematics, Applied)