

# AVS 70: Quantum Mini-Symposium



André  
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## SE0: Sunday Workshop and Panel on Quantum Industry & Workforce Development

Join industry leaders and academics for a pivotal workshop and panel discussion on the burgeoning quantum industry and the evolving workforce development landscape. Contribute your insights on aligning education with emerging quantum career opportunities. Network and shape the future of the quantum workforce.

## SE1: Solid State Quantum Computing – Materials for Quantum Computing and Quantum Materials

Topics of interest include high-quality factors, TLS, Majorana, optical, and other cutting-edge materials and packaging at our focused session.

## SE2: Quantum Sensors – NV sensors, superconducting nanowire single-photon detectors (SNSPDs), transition-edge sensors (TESs), and supporting infrastructure

Contribute to our session on the next generation of quantum sensors, including NV centers, superconducting nanowire single-photon detectors (SNSPDs), transition-edge sensors (TESs), and supporting infrastructure.

## SE3: Quantum Internet, Power Distribution

Explore the frontier of quantum internet and power distribution.

## SE4: Quantum Roadmap and Quantum-Inspired Materials

Share your visionary technologies and strategies that draw inspiration from quantum mechanics. Collaborate and contribute to the blueprint that will guide tomorrow's quantum advancements.

## SE5: Atomic Qubits – Neutral atoms and trapped ions

Engage with atomic qubit experts in a dynamic session dedicated to neutral atom and trapped ion technologies with associated technologies such as optics, cryogenics, and surface science.

## SE8: [QS+MN] Quantum Phononic and Optomechanics

Join us at the interdisciplinary session QS+MN to delve into the emerging interplay of sound and light in quantum technologies and their revolutionary applications.

## SE9: [QS+EMPD] Materials + Devices for Quantum Systems

Discover the latest in electronic materials and their role in quantum technology advancements at this joint session.

## SE10: [QS+VT] Vacuum systems for quantum applications

Pioneering vacuum technology solutions to enable the next generation of quantum research and devices.

## SE11: Quantum Sci. & Tech Poster Sessions

Present your latest research in quantum science and technology poster sessions, providing an opportunity for detailed discussion and academic exchange.

<https://avs70.avs.org/abstract-submission/>

<https://avs70.avs.org/mini-symposium-qs/>

**AVS 70th International  
Symposium & Exhibition**

November 3-8, 2024  
Tampa Convention Center  
Tampa, Florida

**Quantum Science and Technology**

CALL FOR ABSTRACTS DEADLINE: MAY 13, 2024

