

Please Post

64th Sanibel Symposium

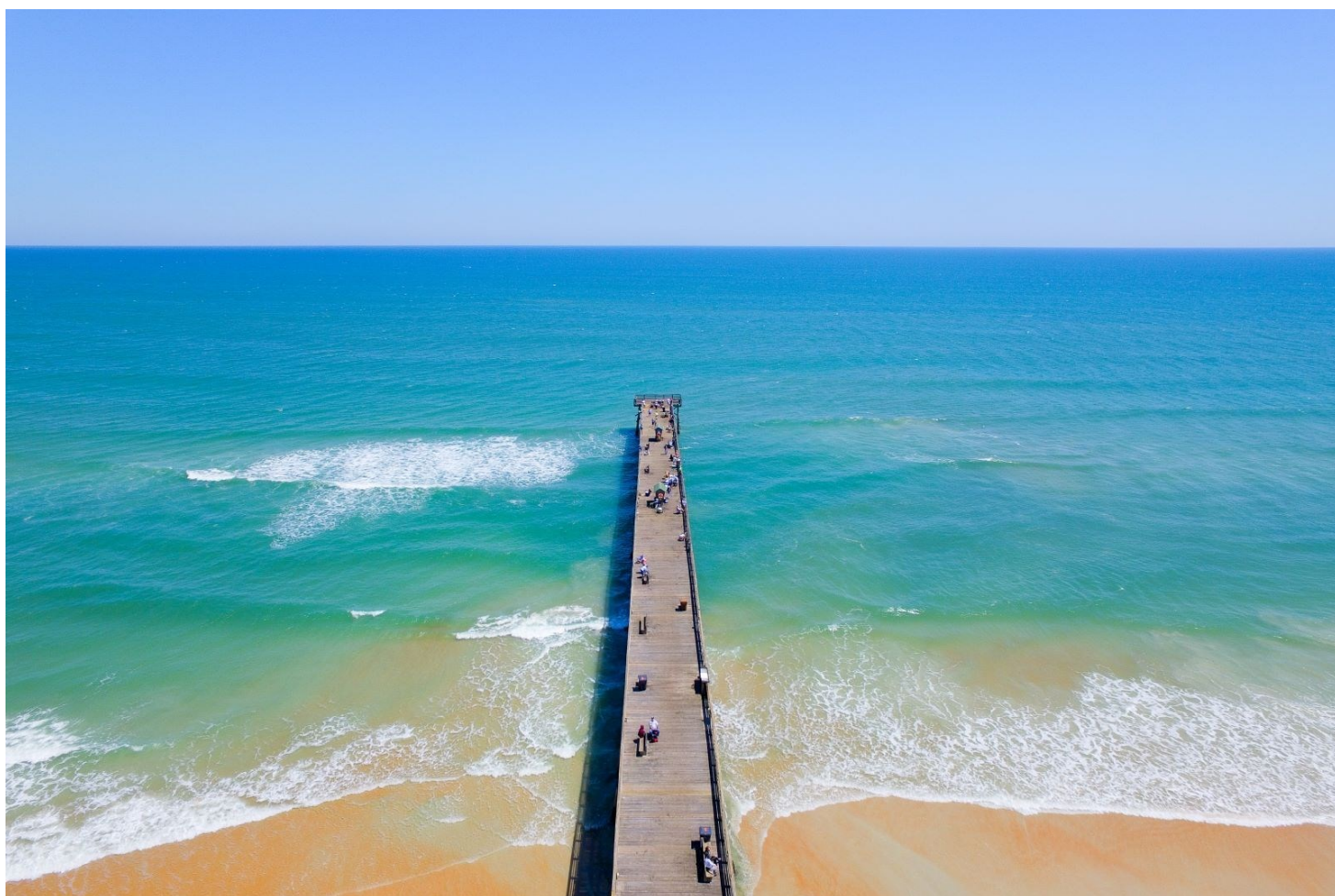
The Theory Meeting for Theoreticians

The Meeting is scheduled for:

St. Augustine Beach, FL

Feb 23rd – 28th, 2025

Now is the time to register for the annual Sanibel Meeting on the topics of quantum theory of atoms, molecules, materials, and biological systems!



In January 1961, a scientific meeting organized by the University of Florida's Quantum Theory Project (QTP) was held on Sanibel Island, Florida. More than sixty years later, that meeting remains the largest annual gathering in the field. The meeting will be held Feb. 23 - 28, 2025, at St. Augustine Beach, Florida. Special sessions include quantum computing and molecular magnetism.

Specific topics to be addressed include:

- **Strategies for Sampling Complex Energy Landscapes**
- **Electronic Resonances**
- **Combined Electronic and Nuclear Coordinate Theories**
- **Single-Particle Strategies for Electron Correlation**
- **Ring Theory and Related Algebraic Topics of Current Interest**
- **Symmetry Aspects in Quantum Computing**
- **Quantum Dynamics of Molecular Interactions and Materials**
- **Ensemble DFT, Orbital-Free DFT, Machine-Learning in Advancing DFT**
- **Theory and Methods for Magnetic Molecules and Quantum Materials**
- **Quantum Computing**
- **Machine Learning in Many Body Interactions from Quantum Mechanics to Force Field in Chemistry and Materials Science**
- **Artificial Intelligence in Theoretical Chemistry and Materials Science**
- **The Early Days of Quantum Chemistry on Classical and Quantum Computers**

The 64th Sanibel Symposium will be held at the Embassy Suites by Hilton, St. Augustine Beach, Florida. This hotel is located at the beach that adjoins the Anastasia State Park. The locale provides outstanding facilities and has different room types, some of which can be economically shared, a fitness center, a pool, and many other attractive features (see <https://sanibelsymposium.qtp.ufl.edu> for details).

The scientific program will consist of twenty-one sessions with about seventy speakers. Sanibel also offers slots for competitively selected 'hot-topic' oral presentations along with poster sessions. Thus, the meeting makes it possible for all attendees to present their work in whatever way is most comfortable, while benefiting from the unique feedback offered by the Sanibel attendees. The annual Sanibel proceedings published in Molecular Physics provides a permanent record of some of the advances presented. There will also be a special Memorial Session in memory of Professor Joe Paldus, a pioneer in bringing a coupled-cluster to molecular sciences.

Social activities will include a Reception on Sunday night, Feb. 23rd, and a banquet on Wednesday, Feb. 26th, with an outstanding after-dinner speaker. This meeting is one of the best investments in the field, with an early fee of only \$599, or \$699 after the deadline of November 30th, 2024. The fee for the meeting includes all social activities, a copy of the program, online access to the abstracts, and the opportunity to present one's results to the expert audience that is characteristic of the Sanibel meetings.

We hope you will join us at the beach in February for this meeting!

Please Register at <https://sanibelsymposium.qtp.ufl.edu/registration/>

Early Registration Ends: **December 11th 2024**

Abstract Submission Deadline: **December 22nd 2024**

Award Application Deadline: **December 31st, 2024**

Email questions on content and logistics to sanibel@qtp.ufl.edu

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