

**Quantum Theory Project**

Depts. Of Chemistry, Physics, Materials Sci. and  
Engineering, Computer and Inform. Sci. and Eng.

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**Time to register for the 57<sup>th</sup> Sanibel meeting: “The theory meeting for theoreticians”!**

The Sanibel meeting on quantum chemistry, dynamics, condensed matter and materials physics and biological applications once again is being organized by the University of Florida’s Quantum Theory Project. It will be held February 19<sup>th</sup> through February 24<sup>th</sup>, 2017, on St. Simons Island, GA, at the historic King and Prince Hotel on the Atlantic Ocean. The meeting will Celebrate the Science of Walter Kohn, featuring sessions on DFT, KKR, and the Kohn-Hulthén variational principle. We also will host a special one-day symposium recognizing the 50<sup>th</sup> anniversary of Jiří Čížek’s 1966 paper that began coupled-cluster theory. In addition, all Sanibel meetings identify and present novel work primed for critical future development.

Session topics will include:

- “New Developments in Density Functional Theory”
- “Kohn-Korringa-Rostoker”
- “Coupled-cluster Theory for Spectroscopy”
- “Core Excitation Spectroscopy”
- “Molecular and Electronic Dynamics”
- “Quantum Materials and Spectroscopy”
- “Machine Learning/ High Throughput Materials Investigation”
- “ van der Waals Interactions”
- “2D and Hybrid Materials”
- “Response Theory of Materials”
- “Defect Chemistry”
- **50<sup>th</sup> Anniversary of Jiří Čížek’s 1966 Paper on Coupled-Cluster Theory (Feb. 24).**

In addition to poster presentations, the recently revised Sanibel format allows for up to thirty 15-minute oral presentations, assigned on a competitive basis. Please see the Speaker Instructions webpage for more information. See you on the beach in February!

**57<sup>th</sup> Sanibel Symposium** website: [www.qtp.ufl.edu/sanibel/](http://www.qtp.ufl.edu/sanibel/)

*On-line Registration: click on the link on the left side of the Sanibel web page.*

**November 30, 2016.** Early Registration Ends

**December 31, 2016-** Abstract Submission Deadline

Email questions on Symposium content, registration, & logistics: [sanibel@qtp.ufl.edu](mailto:sanibel@qtp.ufl.edu)