



**Sixth International Conference on Fission and Properties of Neutron-Rich Nuclei  
(ICFN6)  
Sanibel Island, Florida  
November 6-12, 2016  
*First Announcement***

The Sixth International Conference on Fission and Properties of Neutron-Rich Nuclei will be held November 6-12, 2016, Sanibel Island, Florida. Previous conferences were held 1997 on Sanibel Island and 1999 at St. Andrews, Scotland, and 2002, 2007 and 2012 on Sanibel Island. This announcement is a first call by the Advisory Committee to learn of your interest in attending and suggestions for invited talks for the conference. You may contact any member of the Advisory Committee directly or through the Conference Secretary at the address below. The conference will consist of invited papers, contributed papers, and a poster session with all papers being included in published proceedings. The conference is being sponsored by Vanderbilt University, Los Alamos National Laboratory, the National Superconducting Cyclotron Laboratory, Oak Ridge National Laboratory, and the Joint Institute for Heavy Ion Research.

This sixth conference in this series will emphasize the following areas in both theory and experiment:

**Fission Modes and Reactions:** Particle induced fission, spontaneous fission, bimodal fission, Coulomb fission, and fusion-fission.

**Fission Processes:** Isotopic and energy distributions, neutron multiplicities, spin distributions, cold fission (cluster radioactivity), ternary fission, and fission isomers.

**Properties of Neutron Rich Nuclei:** Decay properties, masses, nuclear structure, and nuclear astrophysics and super heavy elements.

**Fragmentation and Accelerated Beams of Neutron Rich Nuclei:** Coulomb excitation, transfer reactions, deep inelastic collisions, and present and future facilities for radioactive ion beams.

**Super Heavy Elements:** Current status of super heavy element research, decay spectroscopy, chemistry of SHE, production methods and current and future facilities.

The conference expects to have limited funds for scholarships to provide partial support for graduate students and young scientists. Letters and nominations should be sent to the Chair no later than July 1, 2016.

The next announcement will provide additional details on abstract submission, travel, and hotel registration. A registration fee of \$650 will include breakfasts, lunches, breaks, banquet, and other amenities.

### Venue and Accommodations:

The conference will be held on Sanibel Island off the southern coast of Florida in November when the weather is excellent (75–80° F) and the Gulf still warm enough for swimming and sea shelling. The conference center, Sundial Beach Resort, is directly on the beach and has many additional sports opportunities including: sail boats, swimming pools, tennis, golf, bicycling, and an exercise room. There is a nature reserve where one can go by canoe, bicycle, or car to observe wildlife and the Florida Everglades are less than an hour away. The Sundial holds activities for children. The accommodations are all one and two bedroom condominiums with kitchens and living areas. A conference-hosted excursion will be provided to an outer island.

**Website:** <http://proton.phy.vanderbilt.edu>

Additional information can be obtained from:

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Please distribute this announcement to colleagues who may not have received it. If you had not done so earlier, please return the following questionnaire by July 15 **by replying** to this e-mail or to the conference secretary. We particularly call your attention to suggestions for invited speakers including yourself.

Name:  
Address:  
E-mail address:

Expect to attend the conference: \_\_\_\_\_ Yes \_\_\_\_\_ No \_\_\_\_\_ Probably  
Wish to receive future announcements \_\_\_\_\_ Yes \_\_\_\_\_ No

I suggest the following talk/speaker:

I would like to speak on the following topic (a brief abstract is needed, see Abstract Submission).