



SUNDIAL BEACH RESORT
6-12 NOVEMBER, 2022



**Seventh International Conference on Fission and Properties of
Neutron-Rich Nuclei (ICFN7)**
Sanibel Island, Florida
November 6-12, 2022
First Announcement

After a two year delay, we are happy to announce that the Seventh International Conference on Fission and Properties of Neutron-Rich Nuclei will be held November 6-12, 2022, Sanibel Island, Florida. Previous conferences were held in 1997 on Sanibel Island and in 1999 at St. Andrews, Scotland, and in 2002, 2007, 2012, and 2016 on Sanibel Island. This announcement is a first notification to reserve the date and solicit input on meeting content and suggestions for sessions and invited talks. You may contact any member of the Local Organizing Committee directly or through the Conference Secretary at the address below. The conference will consist of invited talks, contributed talks, and a poster session. The conference is being sponsored by Vanderbilt University, Los Alamos National Laboratory, and the Facility for Rare Isotope Beams.

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

Fission Modes and Reactions: Neutron-induced fission, photo-fission, charged particle-induced fission, Coulomb fission, fusion-fission.

Fission Processes: Neutron and gamma multiplicities, energy spectra, prompt and beta-delayed emissions, fragment properties in energy and spin, fission fragment spectroscopy, cold fission, ternary fission, fission isomers, fission product yields.

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

Production and Accelerated Beams of Neutron-Rich Nuclei: Coulomb excitation, transfer reactions, deep inelastic collisions, and present and future facilities for rare isotope 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 any one of the Co-Chairs by no later than July 1, 2022.

The next announcement will provide additional details on registration, abstract submission, travel, and hotel reservations.

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. 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, boat-ride excursion will be provided to an outer island.

Website: <https://indico.frib.msu.edu/event/10/>

Additional information can be obtained from:

Conference Secretaries, Elizabeth Deliyiski and Beth Hannon
Facility for Rare Isotope Beams
Michigan State University
640 South Shaw Lane
East Lansing, MI 48824, USA
Tel. 517-908-7372
Email: icfn7@frib.msu.edu

Please distribute this announcement to colleagues who may not have received it. If you would like to provide information or note your interest please return the following questionnaire by April 22 **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 will be helpful).

Local Organizing Committee:

Co-Chair, Joseph Hamilton, j.h.hamilton@vanderbilt.edu

Co-Chair, Brad Sherrill sherrill@nscl.msu.edu

Co-Chair, Patrick Talou, talou@lanl.gov

Kyle Brown, brownk@frib.msu.edu

Bill Lynch, lynch@frib.msu.edu

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