

Science Foundation, 4201 Wilson Boulevard, Arlington, Virginia 22230.

FOR FURTHER INFORMATION CONTACT:

Adrian Dahood, ACA Permit Officer, at the above address or ACApermits@nsf.gov or (703) 292-7149.

SUPPLEMENTARY INFORMATION: The National Science Foundation, as directed by the Antarctic Conservation Act of 1978 (Pub. L. 95-541), as amended by the Antarctic Science, Tourism and Conservation Act of 1996, has developed regulations for the establishment of a permit system for various activities in Antarctica and designation of certain animals and certain geographic areas requiring special protection. The regulations establish such a permit system to designate Antarctic Specially Protected Areas.

Application Details

1. *Applicant:* Allyson Comstock, Opelika, AL. *Permit Application:* 2014-019

Activity for Which Permit is Requested:

ASPA Entry and Take (salvage); The applicant is an artist funded by the National Science Foundation's Antarctic Artist & Writer's program. The applicant is seeking a permit to be able to enter ASPA 149 Cape Shirreff to take photos to inspire future artwork. If approved, the applicant would be accompanied in by experienced field staff who are familiar with the environmental sensitivities of the Area and would ensure that the applicant acts in accordance with the management plan for the Area.

The applicant also seeks permission to salvage shed bird feathers while at Cape Shirreff ASPA 149. The salvaged feathers would be used as reference materials for drawings that would be publicly displayed. All materials collected would be salvaged; the applicant would not interact with live animals to collect feathers.

None of the activities described above would disturb native birds and mammals

Location: ASPA 149 Cape Shirreff

Dates: October 26, 2013 to December 20, 2013

Nadene G. Kennedy,

Polar Coordination Specialist, Division of Polar Programs.

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NATIONAL SCIENCE FOUNDATION

Notice of Meeting; NSF Synchrotron Subcommittee of the Advisory Committee for Mathematical and Physical Sciences

The National Science Foundation (NSF) announces the following meeting.

NAME: NSF Synchrotron Subcommittee Workshop (66)

DATE AND TIME: October 8, 2013 8:00 a.m.—5:00 p.m.; October 9, 2013 8:00 a.m.—11:30 a.m.

PLACE: Residence Inn, 650 N. Quincy St., Arlington, VA 22203.

TYPE OF MEETING: Open.

CONTACT PERSON: Dr. Mary Galvin, Division Director, Division of Materials Research, Room 1065, National Science Foundation, 4201 Wilson Boulevard, Arlington, VA 22230, Telephone: (703) 292-8562.

PURPOSE OF MEETING: To gather information needed to advise the Division of Materials Research on its facilities portfolio including the role it and NSF should play in synchrotron science.

AGENDA:

Tuesday, October 8, 2013

8:45 a.m.—10:15 a.m.: Overview

1. Summary of NSF Mat 2022 report findings—Murray Gibson, Northeastern University

2. Importance of materials research facilities for US research and economy, including the Department of Energy (DOE) role in materials facilities—Patricia Dehmer, DOE

3. Biology/biomaterials talk—importance of materials research facilities—Pupa Gilbert, University of Wisconsin

4. Nanoscience/technology talk—importance of materials research facilities—Stephen Campbell, University of Minnesota

10:15 a.m.—10:30 a.m.: Coffee break

10:30 a.m.—12:00 p.m.: DMR facilities and materials research needs, funded major facilities past and present

5. NSF DMR funded materials facilities, past accomplishments and future potential*

a. Cornell High Energy Synchrotron Source (CHESS)—Joel Brock, Cornell University

b. National High Magnetic Field Laboratory (NHFML)—Gregory Boebinger, Florida State University
12:00—1:00 p.m.: Lunch

1:00 p.m.—2:30 p.m.: DMR funded major facilities past and present

6. NSF DMR funded materials facilities, past accomplishments and future potential

a. National Institute of Standards and Technology (NIST) partnership—Rob Dimeo, NIST

b. Synchrotron Radiation Center (SRC) at University of Wisconsin-Madison—Tai Chiang, University of Illinois at Urbana-Champaign General discussion

2:30 p.m.—3:00 p.m.: Coffee Break

3:00 p.m.—5:00 p.m.: Novel materials facilities concepts and opportunities and how they are currently funded in the US

7. Future of higher harmonic light sources and their applications in materials science—Margaret Murnane, Joint Institute for Laboratory Astrophysics (JILA)

8. Potential new light sources—overview of field, especially mid-scale accelerator based light sources and compact light sources—Chan Joshi, University of California at Los Angeles

9. Theory and Simulation of materials—what facilities or infrastructure is needed to advance the field faster—Peter Voorhees, Northwestern University

5:00 p.m.—5:45 p.m.: Community input and general open discussion

Wednesday, October 9, 2013

8:00 a.m.—10:30 a.m.: International materials facilities developments

10. International picture—new developments in light sources—Yves Petroff, Brazilian Synchrotron Light Laboratory (LNLS)

11. International picture—new developments in Transmission Electron Microscope (TEM) facilities—Dorte Jensen, Riso and Nigel Browning, Pacific Northwest National Laboratory (PNNL)

12. International picture—materials synthesis and characterization—Hard Materials—Charles Ahn, Yale University

13. International picture—materials synthesis and characterization—Soft Materials—TBD

10:30—11:30 a.m.: Community input and general open discussion

Dated: September 19, 2013.

Susanne Bolton,

Committee Management Officer.

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