



INSTANT II Follow-on Workshop on the Future of Geodetic-Geophysical Observational Networks in Antarctica

September 28, 2024

Time: Sep 28, 2024 08:45 AM Eastern Time (US and Canada)

Location (for in-person participants)	Zoom (for remote participants)
Washington Dulles Marriott Suites, 13101 Worldgate Drive, Herndon VA, 703-709-0400	Join Zoom Meeting https://stonybrook.zoom.us/j/99276614925?pwd=N64lbEXonp6JWoCsi1Lw7B8TIIM20w.1 Meeting ID: 992 7661 4925 Passcode: 972118 One tap mobile +13126266799,,99276614925# US (Chicago) +16468769923,,99276614925# US (New York)



Agenda

Speakers will either be **in person**, or **remote**.

08:30 - 08:45 Short Introduction and housekeeping

Rick Aster and Weisen Shen

---- Part 1. Morning Sessions: Past Accomplishments and Ongoing Challenges ----

09:00 - 10:00 Session 1: What has happened and is going on over the past few years, from the US side (and what will happen afterward)

In this session, we will learn from a few international colleagues about other national programs' and international associations' ongoing progress and future priorities in polar geophysical investigations.

Confirmed Speaker: **Anya Reading (Australia)**; **Fausto Ferraccioli (Italy)**; **Andrew Lloyd (SCAR-INSTANT)**;

Coffee Break (10:00 - 10:15)

10:15 - 11:30 Session 2: What is Happening in Our International Partners

In this session, we will have an overview of various field projects with presentations from PIs of ITGC, POLENET, South Pole DAS array, etc.

Confirmed Speaker: **Marianne Karplus**; **Terry Wilson**; **Sam Hansen**; **Paul Winberry**; **Zhongwen Zhan**.

11:30 - 12:00 NSF addressing future planning and Q&A discussion

Confirmed Speaker: **Mike Jackson**.

Lunch Break (12:00 - 13:00)



---- Part 2. Afternoon Sessions: Building a Community with a Strategy ----

13:15 - 14:45: Session 3: Lessons from Other Community-driven Projects and Models

In this session, we will discuss different operation models for deploying instrumentation in logistically challenged regions. These models include (but are not limited to) the community-driven Alaska Amphibious Array, SC4D, Internationally-collaborated ITGC geologically drilling projects, etc.

Confirmed Speaker: **Douglas Wiens**; **Wenyuan Fan** (SZ4D, Greenland); **John Goodge** (RAID); Molly Patterson (International Geology Drilling, to be confirmed)

Coffee Break (14:45 - 15:15)

15:15 - 16:30 Session 4: Current Challenges and Opportunities in Project Planning, Facility Operation, and Others

In this session, we will discuss various challenges that face the US polar geophysics community, from maintaining a world-renowned facility (in both Antarctica and in the US) and sustaining a healthy community building (e.g., through EarthScope). We will also discuss opportunities (e.g., upgrading QSPA) that may present to us.

Confirmed Speaker: **Joe Pettit** (EPIC); **Robert Anthony** (USGS); **Sam Hansen** (Earthscope).

16:45 and beyond: Session 5: Building a sustainable community (optional; short discussions on how to keep regular meetings, train the next generation of scientists, and constructively engage with NSF and our larger community).

Discussions on how to build a sustainable model to routinely gather polar geophysical community input without a regular working group, or re-institution of a successor to the longstanding IRIS/UNAVCO Polar Science and Technology Committee at EarthScope or elsewhere.

19:00 Optional Dinner and discussion for those staying over Saturday Night

About the Venue:



Just a few miles from Dulles International Airport, Washington Dulles Marriott Suites is near the National Air and Space Museum, Reston Town Center, and Dulles Expo Center. The Herndon Metro Station is only 1 mile away for easy access to Washington D.C.

The conference will also allow remote participation.

Location

Washington Dulles Marriott Suites
13101 Worldgate Drive
Herndon, Virginia, USA, 20170
Telephone: +1 703-709-0400

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- Dense office population of 133,993 employees (3-mile radius) and growing with Amazon's Web Services Group opening nearby
- Excellent visibility with 94,000 VPD at the intersection of Centreville Road and the Dulles Toll Road East (Combined Traffic Estimates)
- Co-tenants include TGI Friday's, Starbucks, Tara Thai, FedEx Kinkos, Vocelli Pizza, Cold Stone Creamery

DEMOGRAPHICS (2016)	1 MILE	3 MILES	5 MILES
POPULATION	33,073	118,444	214,477
AVG HH INCOME	\$122,028	\$138,953	\$149,906
EMPLOYEES	24,771	95,035	148,565

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Participants List

#	Name	Institute (Colored means in-person participation)
1	Anya Reading	University of Tasmania, Australia
1	Anchal Jaiswal	IIT (ISM) Dhanbad
2	Andrew J Lloyd	LDEO - Columbia University
3	Belén Benites	Ikiam
4	Fausto Ferraccioli	National Institute Of Oceanography and Applied Geophysics
5	John P Pappachen	University of Sharjah, UAE
6	Duncan Young	University of Texas at Austin
7	Erica Lucas	McGill University
8	Fayyaz Ahmad	student
9	Gregory Austin	University of Maryland Undergraduate
10	Hanxiao Wu	Stony Brook University
11	Hassan Zahad	Quaid I Azam University Islamabad
12	Helio L. Guerra Neto	Michigan State University
13	Jamey Stutz	Victoria University of Wellington
14	Joe Pettit	EarthScope Consortium
15	John Goodge	Planetary Science Institute
16	Lyubka Pashova	National Institute of Geophysics, Geodesy and Geography - Bulgarian Academy of Sciences
17	Malik Ubaid Ur Rehman Noon	Bahria University Islamabad
18	Marianne Karplus	Univ. of Texas at El Paso
19	Mengjie Zheng	University of Colorado Boulder
20	Meso	Council For Geoscience



21	Mohd Shahabuddin	Indian Institute of Technology Kharagpur India
22	Nadège Langet	NORSAR
23	Najam Bukhari	Comsats
24	Paul Winberry	Central Washington University
25	Pnina Miller	EarthScope Consortium
26	Rajendra Kumar Dash	CSIR Fourth Paradigm Institute, Bengaluru
27	Rani Ummay farwa	University of Sargodha
28	Rick Aster	Colorado State University
29	SAAD ALI SAJID	BGP
30	SACHIN NARAYANRAO KHUPAT	Engineering Seismology Division
31	Saeed SoltaniMoghadam	International Institute of Earthquake Engineering and Seismology
32	Samantha Hansen	The University of Alabama
33	Shuai Yan	University of Washington
34	Stephanie Konfal (Sherman)	Ohio State University, Byrd Polar and Climate Research Center
35	Terry Wilson	Ohio State University
36	Thomas Reilly	Stony Brook University
37	Vera Schulte-Pelkum	University of Colorado Boulder
38	Weisen Shen	Stony Brook University
39	Wenbo Wu	Woods Hole Oceanographic Institution
40	Xiaotao Yang	Purdue University
41	Yasir hafeez	Mol group
42	Zhongwen Zhan	Caltech