

## AGENDA

IceCube Neutrino Observatory

Maintenance & Operations Mid-Term Panel Review

222 West Washington Avenue, Suite 500, Madison, WI 53703

<https://wipac.wisc.edu/about/contact>

Event registration for in-person participation: [link](#)

WIPAC logistics contact: [Alexandra Fleagle](#)

**Monday, April 29, 2024 (Time CDT)**

**08:00 – 08:15 Coffee/tea, snacks**

**08:15 – 08:30** Introductions, panel overview, logistics (**Don Hartill & William Wester**)

**08:30 – 10:00 ICNO Science and Technical Management (Don Hartill)**

- 1) [Science Overview](#) (20+5 min) – **Francis Halzen**
- 2) [IceCube Collaboration](#) (20+5 min) – **Ignacio Taboada**
- 3) [Education & Outreach](#) (15+5 min) – **James Madsen**
- 4) [Analysis coordination and publications](#) (15+5 min) – **Naoko Kurahashi Neilson**

**10:00 – 10:20 Coffee/tea break**

**10:20 – 12:20 ICNO Operations (Jim Annis)**

- 5) [ICNO systems architecture](#) – IceCube and IceTop, data flow, triggering and filtering (10+5 min) – **John Kelley**
- 6) [Detector performance and on-site maintenance](#) — hardware, data acquisition and monitoring, upgrades incl. surface detectors, IceACT, and ARA (20+5 min) – **Matt Kauer**
- 7) [Data management](#) (hardware & software, local & remote computing) (15+5 min) — **Benedikt Riedel**
- 8) [Simulation, offline data processing, and data releases](#) (15+5) – **Juan Carlos Díaz-Vélez**
- 9) [Detector calibration](#) — ongoing improvements and plans for the IceCube Upgrade (15+5 min) – **Dawn Williams**
- 10) [Software and multi-messenger real-time operations](#) (15+5 min) – **Erik Blaufuss**

**12:20 – 13:10 Lunch Break**

**13:10 – 14:30 ICNO Project Administrative Management (Richard Armstrong)**

- 11) [ICNO Advisory Bodies](#): International Oversight and Finance Group, Science Advisory Committee, Software & Computing Advisory Panel (10+5 min) – **Albrecht Karle**
- 12) [Project organizational structure](#), financial status, and U.S. and in-kind contributions (20+5 min) – **John Kelley / Laura Mercier**

13) [Change Management](#) – software, detector configuration, data processing (15+5 min) – **Erik Blaufuss / John Kelley**

14) [Coordination with NSF](#) and Antarctic Support Contractor, and South Pole logistics (15+5 min) – **Matt Kauer**

**14:30 – 14:50** Coffee/tea break

**14:50 – 16:00 ICNO Upgrade Integration**

15) [IceCube Upgrade progress](#) – Field Season 1 results and preparation for Field Season 2 (20+5 min) – **Vivian O’Dell**

16) [Integration of the IceCube Upgrade’s](#) seven new strings into the ICNO data acquisition system (20+5 min) – **Jim Braun**

17) [Towards unified IceCube and IceCube Upgrade Operations](#) (15+5 min) – **John Kelley**

**16:00 – 17:00** Executive Session (discussion, wrap-up, homework assignments) Panel & NSF

**17:00 – 17:40** Meeting with Project for homework assignments

**17:40 Adjourn**

**19:00 – 21:00 Dinner** (Sardine, [617 Williamson St.](#), reservation under Kelley)

**Tuesday, April 30, 2024 (Time CDT)**

**08:00 – 08:30 Coffee/tea and snacks**

08:30 – 10:30 Response from Project to homework assignments

10:30 – 11:30 Executive Session (work on the panel's summary)

11:30 – 12:30 Q & A and concluding discussion with the Project.

**12:30 – 13:00 Lunch**

**13:00 Adjourn**

### **Teleconference Information**

Topic: ICNO M&O Meeting

Description: Maintenance & Operations Mid-Term Panel Review

Time: April 29-30, 2024, 8:00 AM Central Daylight Time (U.S. and Canada)

### **Join ZoomGov Meeting**

<https://nsf.zoomgov.com/j/1601884851?pwd=MzBBTDhTYjhPTUgzaDgyMIFENW5ZQT09>

Meeting ID: 160 188 4851

Passcode: 202609

### **DocuShare directory with presentations and other materials:**

<https://docushare.icecube.wisc.edu/dsweb/View/Collection-16957>