

IceCube Software and Computing Advisory Panel 2021 Meeting (SCAP 2021)

AGENDA AND CHARGE

January 27-28, 2021 | Zoom Meeting

Background

The IceCube Software & Computing Advisory Panel (SCAP) was established in 2009 and is composed of experts in the fields of software development and scientific computing. The SCAP advises the IceCube Spokesperson(s) and Director on the following topics: on-line computing; on-line and off-line data processing and filtering; off-line computing facilities; and, simulations and analysis support. A written report is provided following each meeting.

Current Members

- Lothar Bauerdick (FNAL, Chair)
- Peter Couvares (Caltech)
- Sridhara Dasu (UW-Madison)
- Miron Livny (UW-Madison)
- Peter Elmer (Princeton / CERN)
- Gonzalo Merino (PIC)
- Mark Neubauer (UIUC)
- Terry Schalk (UCSC)
- Frank Wuerthwein (UCSD)

Charge

- The last SCAP included 10 recommendations for the project: have we adequately addressed, resolved, or are making suitable progress toward resolution on these recommendations?
- Are our core software resources supported centrally by Operations reasonable and in line with similar facilities?
- Is our computing model overall (software *and* hardware) sufficient to handle additional the scope of IceCube Upgrade and IceCube Gen2?

Agenda

Times are Central Standard Time (UTC-6)

Wednesday 27 January 2021

10:00 – 10:10	Welcome	K. Hanson
10:10 – 10:35	IceCube Science Highlights and Priorities	I. Taboada
10:45 – 11:05	IceCube M&O, the Upgrade, and Gen2	K. Hanson
11:15 – 11:30	Break	

11:30 – 11:45	SCAP replies #1: Coordination	P. Desiati
11:50 – 12:05	SCAP replies #2: Infrastructure	B. Riedel
12:10 – 12:25	SCAP replies #3: IceProd Scalability	D. Schultz
12:30 – 13:00	(Lunch) Break	
13:00 – 13:15	Data Processing	N. Kurahashi Neilson
13:20 – 13:35	IceCube Software Coordination	A. Olivas
13:40 – 13:55	IceCube Simulation Production	J.C Diaz-Velez
13:55 – 14:15	Discussion	

Thursday 28 January 2021

10:00 – 10:30	Open Discussion	
10:30 – 10:45	IceCube Data Releases	I. Taboada
10:50 – 11:20	IceCube Upgrade / Gen2 Software	E. Blaufuss
11:30 – 11:50	ML / AI Future Direction	C. Kopper
12:00 – 13:30	Break and SCAP panel private session	
13:30 – 14:00	Closeout / Draft Panel Report and Discussion	

Docushare Directory

Presentations and supporting materials will be stored in

<https://docushare.icecube.wisc.edu/dsweb/View/Collection-16227>

Zoom Coordinates

This is a 100% virtual meeting conducted using Zoom.

Topic: SCAP 2021

Join Zoom Meeting

<https://uwmadison.zoom.us/j/97993283630?pwd=YVNhN3BZMEdOSXBxaExHT0YvVU5yZz09>

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