

The 7th SCAR AAA Workshop

September 19-21, 2023
Svalbard, Norway



Organizing Committee/Logistics



• Michael Ashley	Australia	• Elia Bastelli	Italy
• Tony Travouillon	Australia	• Silvia Masi	Italy
• XueFei Gong	China	• Waraporn Nuntiyakul	Thailand
• Zhaohui Shang	China	• Jennifer Cooper	USA
• Wojciech Miloch	Norway	• Jim Madsen	USA
• Sven Lidstrom	Sweden	• Delia Tosi	USA

SCAR AAA Meetings

- AAA2011 Sydney, Australia
- AAA2013 Certosa di Pontignano, Italy
- AAA2015 Hawaii, USA
- AAA2017 Chiang Mai, Thailand
- AAA2019 Aosta Valley, Italy
- AAA2021 Remote, hosted by WIPAC at UW-Madison, USA
- AAA2023 Svalbard, Norway
- AAA2025 ???



SCAR Open Science Conference

- Antarctic Science: Crossroads for a New Hope
- Pucón, Chile from 19-23 August 2024



Tuesday Morning

Welcome Address by Jim Madsen

09:00 - 09:30

The release of a faster ITM

Jean Marc Christille



09:30 - 10:00

Cryoscope pathfinder

Dr Tony Travouillon



10:00 - 10:30

Morning Tea

10:30 - 11:00

Time-domain photometry survey using the AST3-II telescope at Antarctic ---the DR2 from CHESPA

hui zhang

11:00 - 11:30

Yat-sen Antarctic Small Infrared telescopes: tests and preliminary results

Bin Ma

11:30 - 12:00

Lunch Break

Tuesday Afternoon

12:00 - 13:30	
Extinction and scattering by aggregates composed of submicron particles	Prof. Marco A.C. Potenza
13:30 - 14:00	
An update on Dome A Astronomy	Zhaohui Shang 
14:00 - 14:30	
The astronomical seeing from Dome A, Antarctica in 2023	Bin Ma
14:30 - 15:00	
Capturing Images with Ice	Tristan Duke
15:00 - 15:30	
Short Break	
15:30 - 15:45	
Excursion: Art Exhibition	

Wednesday Schedule---Morning

Simulations of Semi-Leaded Neutron Monitor Response Functions from Latitude Surveys

Dr Achara Seripienlert

09:00 - 09:30

Data Analysis of Ship-Borne Neutron Monitor during Antarctic Voyages: from 2018 and Beyond

Dr Waraporn Nuntiyakul

09:30 - 10:00

ESCAPE: The study of the solar corona from Dome C, Antarctica

Gerardo Capobianco

10:00 - 10:30

Morning Tea

10:30 - 11:00

A free-space optical data relay for Antarctica

Marcus Birch

11:00 - 11:30

The BICEP Array Replacement Tower (BART): Polar Infrastructure Development Supporting Cosmic Microwave Background Research

Benjamin Schmitt

Lunch Break

SCAR AAA Planning

Wednesday Schedule---Afternoon



Thursday Morning

Space Science at University of Oslo; activities in the polar regions	Wojciech Miloch
	08:30 - 09:00
Cosmo fast readout system	09:00 - 09:30
Exploring the microwave sky with CMB-S4	Amy Bender
	09:30 - 10:00
BICEP/Keck: Constraining primordial gravitational waves with CMB polarization observations from the South Pole	Marion Dierickx
	10:00 - 10:30
Morning Tea	10:30 - 11:00
Exploring the Microwave Sky with the South Pole Telescope	Alexandra Rahlin
	11:00 - 11:30
Looking for isotropic spectral distortions of the CMB from Antarctica	Prof. Paolo de Bernardis
	11:30 - 12:00
Foregrounds with SPIDER: Examining Deviations in Dust Modeling	Mr Suren Gourapura
	12:00 - 12:30

Thursday Afternoon

The OLIMPO experiment : galaxy clusters in the backlight of the cosmic microwave background

Alessandro Paiella

14:00 - 14:30

SOLARIS: a smart Solar imaging system at high radio frequency for continuous Solar monitoring and Space Weather applications

Alberto Pellizzoni

IceCube and the State of High-Energy Neutrino Astronomy

John Kelley

15:00 - 15:30

The IceCube Neutrino Observatory as an Instrument for Glaciology

Martin Rongen



15:30 - 16:00

The Radio Neutrino Observatory in Greenland: Design and Construction

Delia Tosi

16:00 - 16:30

IceCube Upgrade and IceCube-Gen2: Neutrino astrophysics at the South Pole

Michael DuVernois

16:30 - 17:00