

# Pacific Array Workshop 2021 Program (ver May 10)

## Workshop Detail

<http://eri-ndc.eri.u-tokyo.ac.jp/PacificArray/workshop2021/>

## Google Calendar URL

<https://calendar.google.com/calendar/u/2?cid=Y182M2ZhMTFqOGlyNzE4cXJoMTdxZmRkaWN1Z0Bncm91cC5jYWxlbmRhci5nb29nbGUuY29t>

(Please click to add the schedule to your google calendar in your timezone)

## Schedule

by May 21 registration for poster presentation and participation, poster uploading  
 from May 24 to June 30 poster available online  
 from June 1 to June 30 recorded oral sessions available online

## Asia-US sessions

Icebreaker (poster)	1 hour from 8am in Japan, 7am in China (May 28), 4pm PDT, 7pm EDT (May 27)	spatial chat
Oral session	3 hours from 9am in Japan, 8am in China (May 28), 5pm PDT, 8pm EDT (May 27)	zoom
Social party (poster)	1 hour from 12am in Japan, 11am in China (May 28), 8pm PDT, 11pm EDT (May 27)	spatial chat

## Asia-Europe sessions

Oral session	2 hours from 4pm in Japan, 3pm in China, 9am in Germany & France, 8am in UK (May 28)	zoom
Social party (poster)	1 hour from 6pm in Japan, 5pm in China, 11am in Germany & France, 10am in UK (May 28)	spatial chat

## Poster Presentations

		core time at	short oral at
Tolulope Olugboji	The Signature & Elimination of Sediment Reverberations from Submarine Receiver Functions	Icebreaker	-
Joseph Byrnes	Shear-velocities at the NoMelt site from the joint inversion of phase velocity and Sp receiver functions	US	US
Shawn Wei	SaLOON: Samoa-Lau Ocean Observing Network	US	-
Jun Yong Park	Detection and Location of Local Earthquakes Using Broadband Ocean Bottom Seismometer Data	US	-
Hyunsun Kang	Upper mantle seismic velocity structure beneath the oldest Pacific Ocean basin from finite-frequency tomography	US	-
Taichi Sakai	Study of Ocean Bottom Detector(OBD) for observation of geo-neutrinos from the mantle	US/Europe	US/Europe
Hiroko Watanabe	Ocean Bottom Detector : measuring the Earth's neutrino flux in the sea	US/Europe	US/Europe
Matthew Agius	A thin mantle transition zone beneath the equatorial Mid-Atlantic Ridge	Europe	Europe
Nicholas Harmon	One sided inversion of rayleigh waves and magnetotellurics using data from the PI-LAB experiment	Europe	Europe

# Asia-US Oral Session Program

		length (min)	from (JST)
<b>Introduction</b>			
Akiko Takeo	Flow of oral/poster sessions	5	9:00
Kawakatsu, Hitoshi	Overview of the Pacific Array	5	9:05
<b>Western Pacific (chair: Joshua Russell)</b>			
Takehi Isse	Seafloor observation beneath the oldest Pacific	10	9:10
Dayanthie Weeraratne	Lessons learned from Rayleigh wave marine seismic study of old oceanic lithosphere in the NW Pacific seafloor	10	9:20
Doug Wiens	Structure and azimuthal anisotropy of the incoming Pacific plate at the Mariana Trench	10	9:30
Zhitu Ma	Some initial thoughts on a joint deployment of OBS/OBEM on the western Philippine Sea basin	5	9:40
Ban-Yuan Kuo	Oldest-2 in 2022 and possible future experiments in the western Pacific	5	9:45
	Discussion	10	9:50
<b>Central to eastern Pacific (chair: YoungHee Kim)</b>			
James Gaherty	Mantle hydration, partial melt, and inferences on deformation and state of the asthenosphere in the central Pacific	10	10:00
Donald Forsyth	Asthenospheric support of the Hawaiian swell: A re-examination of PLUME Rayleigh wave data	10	10:10
Gabi Laske	Upcoming OBS deployment at the old H2O site	10	10:20
Kiyoshi Baba	Hawaii-Emperor Bending geometry gives chance to estimate mantle viscosity from integrated electrical resistivity, seismic and geodynamic simulations	10	10:30
	Discussion	10	10:40
<b>Southern to whole Pacific (chair: Takehi Isse)</b>			
Zachary Eilon	Small scale mantle convection imaged by the ORCA array	10	10:50
Joshua Russell	Age dependence of mantle shear velocity and anisotropy at YoungORCA: Implications for small-scale convection	10	11:00
Caroline Eakin	Probing the Australian-Pacific Plate Boundary: Macquarie Ridge in 3-D	10	11:10
Nozomu Takeuchi	Pn tomography for isotropic and anisotropic structures	10	11:20
Jun Korenaga	A new reference model for the evolution of oceanic lithosphere in a cooling Earth	10	11:30
	Discussion	10	11:40
<b>Short oral for poster presentations (chair: Takehi Isse)</b>		10	11:50
Joseph Byrnes	Shear-velocities at the NoMelt site from the joint inversion of phase velocity and Sp receiver functions		
Taichi Sakai	Study of Ocean Bottom Detector (OBD) for observation of geo-neutrinos from the mantle		
Hiroko Watanabe	Ocean Bottom Detector : measuring the Earth's neutrino flux in the sea		

## Asia-Europe Oral Session Program

		length (min)	from (JST)
<b>Introduction</b>			
Akiko Takeo	Flow of oral/poster sessions	5	16:00
Kawakatsu, Hitoshi	Overview of the Pacific Array	5	16:05
<b>Session1 (chair: Kate Rychert)</b>			
Takehi Isse	Seafloor observation beneath the oldest Pacific	15	16:10
Hogyum Kim	Preliminary 1-D Electrical Conductivity Structure of Oldest Oceanic Mantle from Magnetotelluric Observation (Oldest-1)	10	16:25
Ting Yang	Passive-source OBS array experiment to study the origin of Petit-spot volcanism	10	16:35
Nobuaki Fuji	Caroline plate from the top to the bottom: what's next?	15	16:45
	Break	5	17:00
<b>Session2 (chair: Zhitu Ma)</b>			
Kate Rychert	An overview of PI-LAB or VoiLA	10	17:05
Kiyoshi Baba	Hawaii-Emperor Bending geometry gives chance to estimate mantle viscosity from integrated electrical resistivity, seismic and geodynamic simulations	15	17:15
Max Moorkamp	Integrated gravity-electromagnetic inversion for improved imaging of the lithosphere	15	17:30
<b>Short oral for poster presentations (chair: Zhitu Ma)</b>		15	17:45
Matthew Agius	A thin mantle transition zone beneath the equatorial Mid-Atlantic Ridge		
Nicholas Harmon	One sided inversion of rayleigh waves and magnetotellurics using data from the PI-LAB experiment		
Taichi Sakai	Study of Ocean Bottom Detector (OBD) for observation of geo-neutrinos from the mantle		
Hiroko Watanabe	Ocean Bottom Detector : measuring the Earth's neutrino flux in the sea		
Time Keeping by Pei-Ying Patty Lin for two oral sessions			