

Date and Time

[Special Seminar]

May 2nd, 2022 10:00 am – 11:00 am [JST]

[International Workshop]

May 9th, 2022 9:00 am – 12:20 pm [JST]

ONLINE EVENT

[Zoom]

Exploring Quantum, Elements, and Life Interactions

Invited Speakers

Prof. Mike Pluth
(University of Oregon)

Prof. John Hernalund
(Tokyo Institute of Technology)

Prof. Craig O'Neill
(Origins Research Institute, Research Centre for Astronomy and Earth Sciences)

Prof. Kelvin Richards
(University of Hawaii at Manoa)

Prof. Michio Kawamiya
(Japan Agency for Marine-Earth Science and Technology)

Prof. Takaaki Akaike
(Tohoku University)

Organizers

Toshio Suga (Tohoku University)

Takeshi Kakegawa (Tohoku University)

Fumio Inagaki (Tohoku University / JAMSTEC)

Hozumi Motohashi (Tohoku University)

Hiroko Watanabe (Tohoku University)

Contact

Ryo Takahashi (Tohoku University)

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Registration

Registration deadline

May 1st, 2022 5:00 pm [JST]

URL: <https://forms.gle/pYxAfcND71XsqNyu6>



Hosted by

• Center for Key Interdisciplinary Research,
Tohoku University “Institute for Integrated
Earth System Science (IESS)”

Special Seminar

MAY
2nd

10:00 am - 11:00 am

“Prebiotic to Present: The Chemical
Biology and Physical Organic Chemistry
of Sulfur Species”

Prof. Mike Pluth
(University of Oregon)

International Workshop

MAY
9th

9:00 am - 9:05 am

Opening

Motoko Kotani
(Executive Vice President for Research, Tohoku University)

9:05 am - 9:30 am

“Planetary Metabolism: Science of a
Living Planet”

Prof. John Hernalund
(Tokyo Institute of Technology)

9:30 am - 9:55 am

“Deep time connections between the
atmosphere, biosphere and Earth’s
interior”

Prof. Craig O'Neill
(Origins Research Institute, Research Centre for
Astronomy and Earth Sciences)

9:55 am - 10:05 am Break

10:05 am - 10:30 am

“Ocean dynamics and their impact on the
marine ecosystem”

Prof. Kelvin Richards
(University of Hawaii at Manoa)

10:30 am - 10:55 am

“Earth system modeling for gaining
comprehensive understanding of global
change”

Prof. Michio Kawamiya
(Japan Agency for Marine-Earth Science and Technology)

10:55 am - 11:20 am

“Carbonyl sulfide interface evolving
energy metabolism and environmental
stress response in organisms”

Prof. Takaaki Akaike
(Tohoku University)

11:20 am - 11:30 am Break

11:30 am - 12:20 pm

“Panel Discussion”

[Panelists]
Prof. John Hernalund Prof. Craig O'Neill
Prof. Kelvin Richards Prof. Michio Kawamiya
Prof. Takaaki Akaike

• Tohoku Forum for Creativity,
Organization for Research
Promotion, Tohoku University

