

*North Pacific Marine Science Organization
presents*

Certificate of Recognition

to

Christina Kong

for Best Oral Presentation on:

**Spatially heterogeneous ecosystem responses to marine heatwaves in the
Northeast Subarctic Pacific**



at the scientific sessions and workshops sponsored by the Scientific Steering Committee

Dr. Steven J. Bograd,
FUTURE Co-Chair

Prof. Hanna Na,
FUTURE Co-Chair

North Pacific Marine Science Organization
PICES-2025
Yokohama, JAPAN, November 14, 2025

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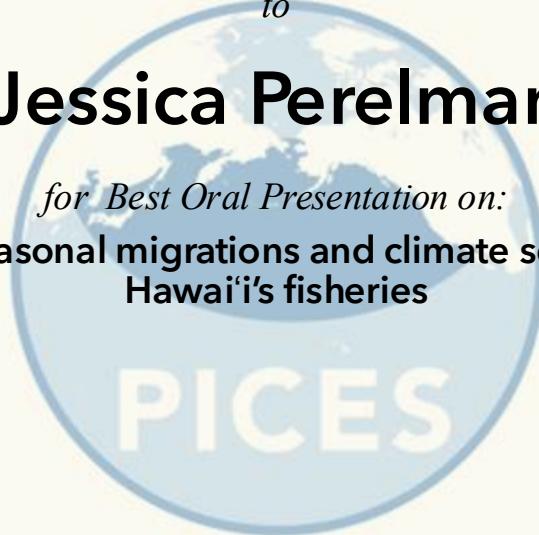
Certificate of Recognition

to

Jessica Perelman

for Best Oral Presentation on:

**The changing catch: Seasonal migrations and climate sensitivity of mahimahi in
Hawai‘i’s fisheries**



at the scientific sessions and workshops sponsored by the Scientific Steering Committee

Dr. Steven J. Bograd,
FUTURE Co-Chair

Prof. Hanna Na,
FUTURE Co-Chair

North Pacific Marine Science Organization
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Certificate of Recognition

to

Rikuto Hashimoto

for Best Oral Presentation on:

**Stage classification of female gonadal development and estimation of egg production
rates of *Paracalanus orientalis* (Copepoda: Calanoida) in Sagami Bay, Japan**



at the scientific sessions and workshops sponsored by the Biological Oceanography Committee

A handwritten signature in blue ink, appearing to read 'Dr. Akash Sastri', is placed above the title of the committee chair.

*Dr. Akash Sastri,
BIO Committee Chair*

*North Pacific Marine Science Organization
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Yokohama, JAPAN, November 14, 2025*

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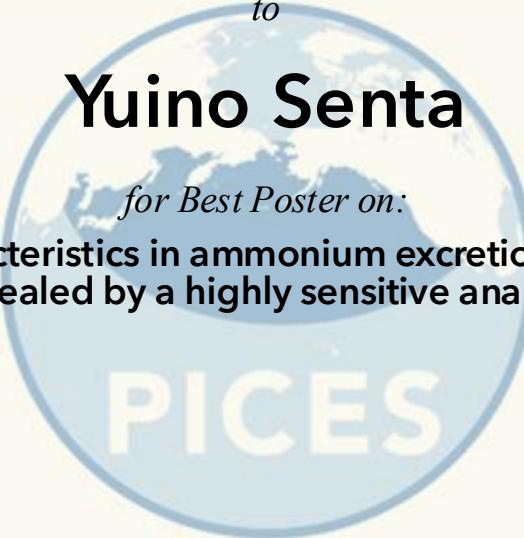
Certificate of Recognition

to

Yuino Senta

for Best Poster on:

**Species-specific characteristics in ammonium excretion rates of large marine
copepods revealed by a highly sensitive analytical method**



at the scientific sessions and workshops sponsored by the Biological Oceanography Committee

A handwritten signature in blue ink, appearing to read "Dr. Akash Sastri".

*Dr. Akash Sastri,
BIO Committee Chair*

*North Pacific Marine Science Organization
PICES-2025
Yokohama, JAPAN, November 14, 2025*

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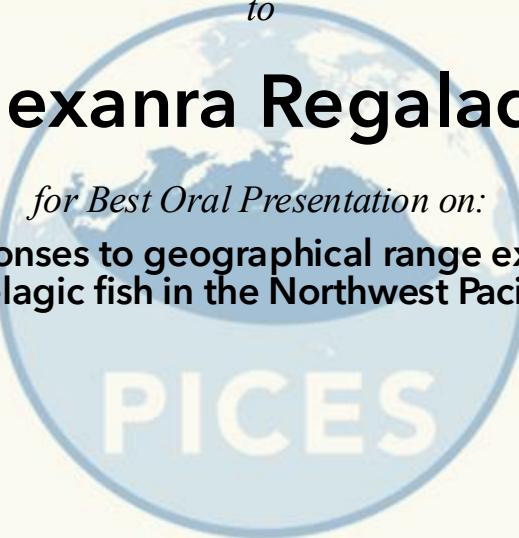
Certificate of Recognition

to

Alexanra Regaldo

for Best Oral Presentation on:

Possible phenotypic responses to geographical range expansion of tropical small pelagic fish in the Northwest Pacific



at the scientific sessions and workshops sponsored by the Fishery Science Committee


Dr. Jackie King,
FIS Committee Chair

North Pacific Marine Science Organization
PICES-2025
Yokohama, JAPAN, November 14, 2025

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Certificate of Recognition

to

Rentaro Mitsuyu

for Best Poster on:

Modeling the population dynamics of Pacific saury considering migration



at the scientific sessions and workshops sponsored by the Fishery Science Committee

A handwritten signature in black ink, appearing to read "Dr. Jackie King".

**Dr. Jackie King,
FIS Committee Chair**

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to

Kotaro Tanaka

for Best Oral Presentation on:

**Social network analysis of partnership structure under the UN Ocean Decade
Actions**



at the scientific sessions and workshops sponsored by the Human Dimensions Committee

A handwritten signature in black ink, likely belonging to Prof. Mitsutaku Makino, is shown above the text.
*Prof. Mitsutaku Makino,
HD Committee Chair*

*North Pacific Marine Science Organization
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Yokohama, JAPAN, November 14, 2025*

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Certificate of Recognition

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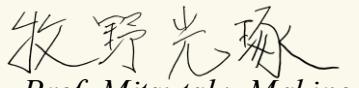
Shu-Chiang Huang

for Best Poster on:

**Marine protected area management: Enhancing effectiveness through
stakeholder participation in Taiwan and Japan**



at the scientific sessions and workshops sponsored by the Human Dimensions Committee


Prof. Mitsutaku Makino,
HD Committee Chair

*North Pacific Marine Science Organization
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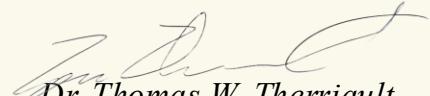
Jake Dingwall

for Best Oral Presentation on:

Pacific Herring (*Clupea pallasii*) spawning-site abandonment: marine vegetation deficits as local barriers, not broad constraints



at the scientific sessions and workshops sponsored by the Marine Environmental Quality Committee



Dr. Thomas W. Therriault,
MEQ Committee Chair

North Pacific Marine Science Organization
PICES-2025
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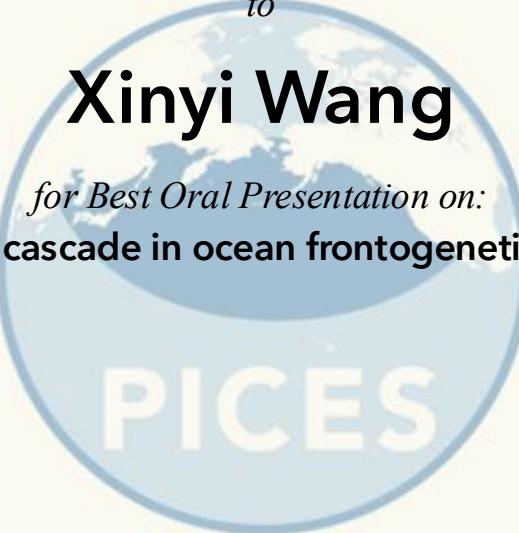
Certificate of Recognition

to

Xinyi Wang

for Best Oral Presentation on:

Energy cascade in ocean frontogenetic zones

The logo for the Physical Oceanography and Climate Committee (POC) of the Intergovernmental Oceanographic Commission (IOC) of UNESCO. It consists of a blue circle with the acronym "PICES" in white capital letters in the center.

PICES

at the scientific sessions and workshops sponsored by the Physical Oceanography & Climate Committee

A handwritten signature in black ink, appearing to read "Lei Zhou".

*Dr. Lei Zhou,
POC Committee Chair*

*North Pacific Marine Science Organization
PICES-2025
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Certificate of Recognition

to

Kelly Manyahuillca Gutierrez

for Best Poster on:

Impacts of global warming on Peruvian ocean stratification and its implications



at the scientific sessions and workshops sponsored by the Physical Oceanography & Climate Committee

A handwritten signature in black ink, appearing to read "Lei Zhou".

*Dr. Lei Zhou,
POC Committee Chair*

*North Pacific Marine Science Organization
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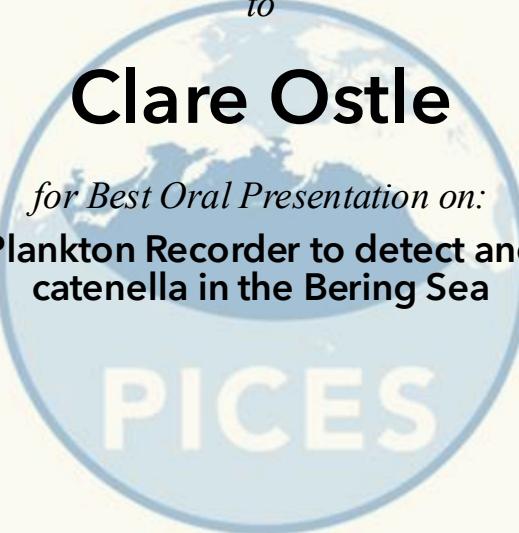
Certificate of Recognition

to

Clare Ostle

for Best Oral Presentation on:

Using the Continuous Plankton Recorder to detect and monitor *Alexandrium catenella* in the Bering Sea

The logo for the North Pacific Biogeographic-ecological Monitoring and Assessment Network (PICES) is a blue circle containing the acronym "PICES" in white, bold, sans-serif capital letters.

PICES

at the scientific sessions and workshops sponsored by the Technical Committee on Monitoring

A handwritten signature in black ink, appearing to read "Prof. Sung Yong Kim".

*Prof. Sung Yong Kim,
MONITOR Chair*

*North Pacific Marine Science Organization
PICES-2025
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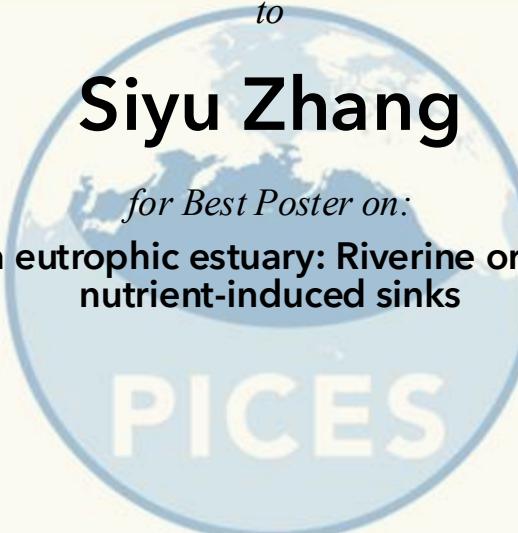
Certificate of Recognition

to

Siyu Zhang

for Best Poster on:

**Carbon dynamics in a eutrophic estuary: Riverine organic matter overrides
nutrient-induced sinks**

The logo for the North Pacific International Commission for the Exploration of the Seas (PICES) is centered on the certificate. It features a blue circular background with the acronym "PICES" in large, white, sans-serif capital letters. The letters are slightly shadowed, giving them a 3D appearance. The logo is positioned in front of a faint illustration of a globe.

at the scientific sessions and workshops sponsored by the Technical Committee on Monitoring

A handwritten signature in black ink, appearing to read "Prof. Sung Yong Kim", is placed above the title of the certificate.

*Prof. Sung Yong Kim,
MONITOR Chair*

*North Pacific Marine Science Organization
PICES-2025
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