

North Pacific Marine Science Organization  
presents

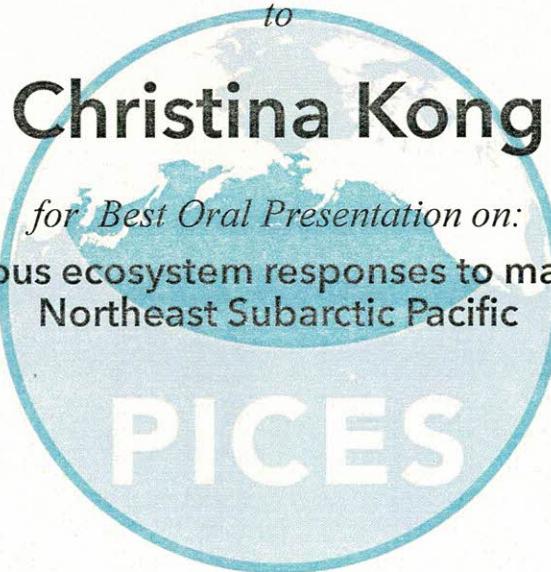
# Certificate of Recognition

to

## Christina Kong

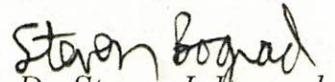
for Best Oral Presentation on:

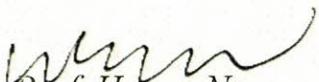
Spatially heterogeneous ecosystem responses to marine heatwaves in the  
Northeast Subarctic Pacific

The logo for the North Pacific Ecological Research and Cooperation Organization (PICES) is a circular emblem. It features a stylized map of the North Pacific Ocean in the center, with the acronym "PICES" written in large, bold, white capital letters at the bottom of the circle.

PICES

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

North Pacific Marine Science Organization  
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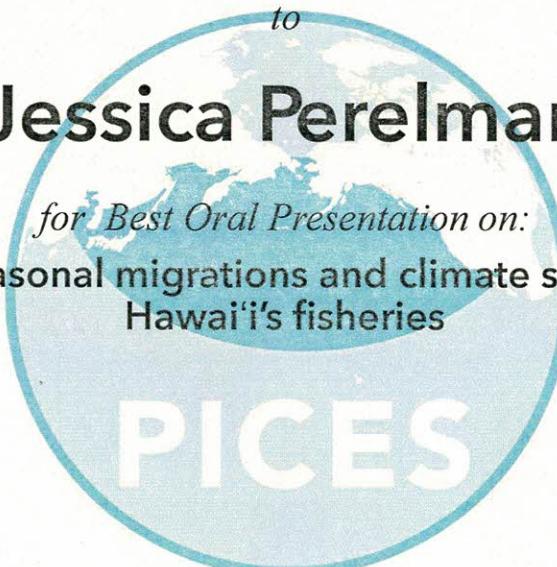
# Certificate of Recognition

to

## Jessica Perelman

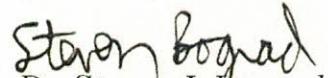
for Best Oral Presentation on:

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

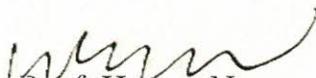
The logo for the North Pacific Intergovernmental Commission on the Status of the Cetaceans (PICES) is a circular emblem. It features a stylized blue and white globe of the North Pacific Ocean in the background. Overlaid on the globe is the acronym "PICES" in large, bold, white, sans-serif capital letters. The entire logo is set against a light blue circular background.

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Dr. Steven J. Bograd,  
FUTURE Co-Chair



Prof. Hanna Na,  
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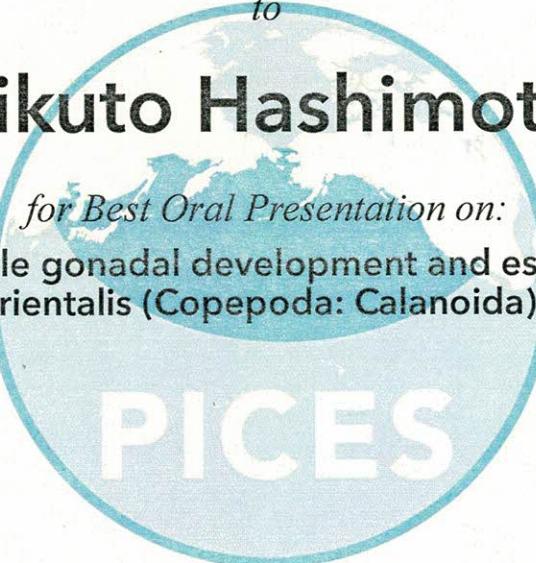
# **Certificate of Recognition**

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## **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**



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*Dr. Akash Sastri,  
BIO Committee Chair*

*North Pacific Marine Science Organization  
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# Certificate of Recognition

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**Yuino Senta**

for Best Poster on:

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

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BIO Committee Chair

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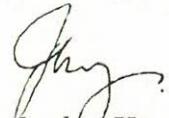
**Rentaro Mitsuyu**

for Best Poster on:

Modeling the population dynamics of Pacific saury considering migration

**PICES**

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



Dr. Jackie King,  
FIS Committee Chair

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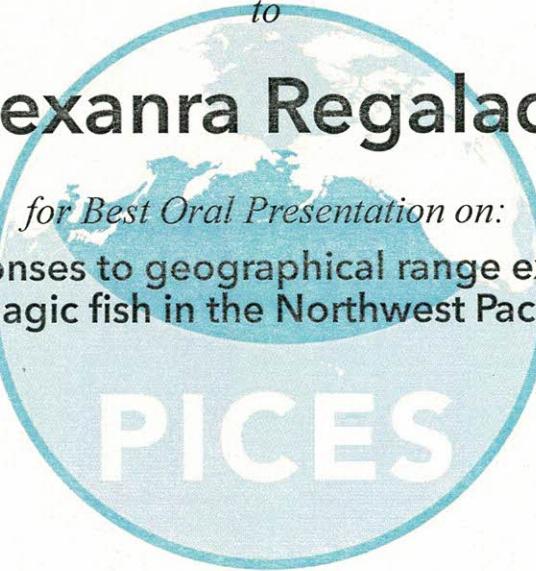
# **Certificate of Recognition**

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## **Alexanra Regaldo**

*for Best Oral Presentation on:*

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



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*Dr. Jackie King,  
FIS Committee Chair*

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# **Certificate of Recognition**

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**Kotaro Tanaka**

*for Best Oral Presentation on:  
Social network analysis of partnership structure under the UN Ocean Decade  
Actions*

**PICES**

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

牧野 光琢  
Prof. Mitsutaku Makino,  
HD Committee Chair

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# Certificate of Recognition

to  
**Shu-Chiang Huang**

for Best Poster on:

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

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

牧野光政  
Prof. Mitsutaku Makino,  
HD Committee Chair

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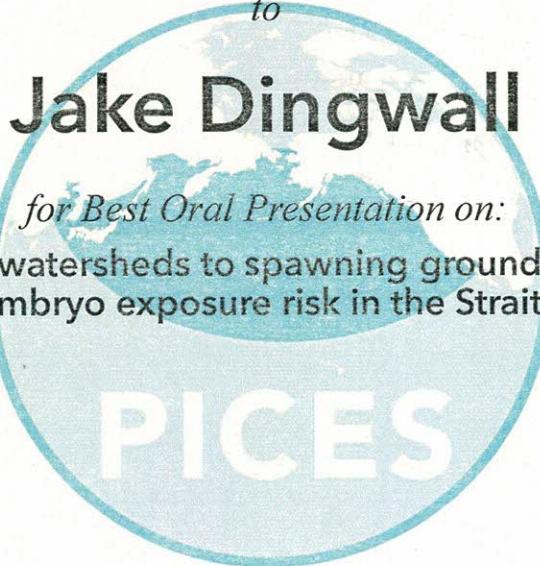
# **Certificate of Recognition**

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**Jake Dingwall**

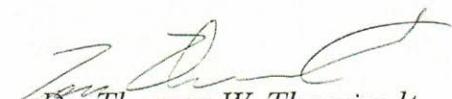
*for Best Oral Presentation on:*

**Tracing contaminants from watersheds to spawning grounds: Source-to-sink dynamics  
and Pacific herring embryo exposure risk in the Strait of Georgia, Canada**



**PICES**

*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  
Yokohama, JAPAN, November 14, 2025*

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# Certificate of Recognition

to

**Xinyi Wang**

for Best Oral Presentation on:

Energy cascade in ocean frontogenetic zones

**PICES**

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



Dr. Lei Zhou,  
POC Committee Chair

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

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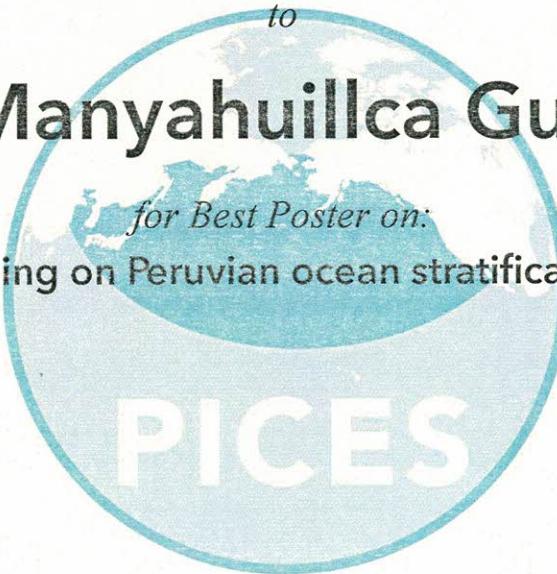
# Certificate of Recognition

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## Kelly Manyahuillca Gutierrez

for Best Poster on:

Impacts of global warming on Peruvian ocean stratification and its implications

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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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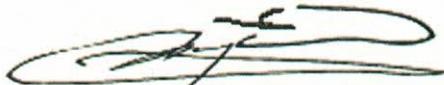
**Clare Ostle**

for Best Oral Presentation on:

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

**PICES**

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



Prof. Sung Yong Kim,  
MONITOR Chair

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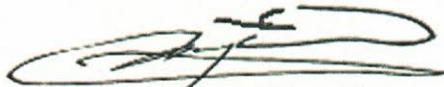
**Siyu Zhang**

for Best Poster on:

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

**PICES**

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



Prof. Sung Yong Kim,  
MONITOR Chair

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PICES-2025  
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