

Annette S. Lee

ARTIST - ASTRONOMER

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Annette S. Lee, DSc, PhD, MFA, MFA, is an award-winning artist, scientist, and civic engagement leader whose unique talents connects ideas across seemingly impossible divides. She is a world-class researcher, professional artist, and keeper of traditional knowledge, with bachelor, master, and doctoral degrees in mathematics, physics, and astrophysics, as well as a bachelor and two master's degrees in fine arts and motion media design, all from top universities, including Yale and Berkeley. Dr Lee has worked as an expert consultant for UNESCO, curated prestigious exhibitions, served as a world-class science communicator, and presented keynotes to organizations and at major conferences around the world.

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AWARDS

2022-2025

Heising Simons Foundation

2020-2021

NASA Next Gen STEM/Paragon

2021

(AAAS) Early Career Award for Public Engagement

2021

President's Civic Engagement Leadership Award

St. Cloud State University

2019-2020

American Astronomical Society (AAS) Shapley

Lecturer

2018-2019

Archaeological Institute of America, Webster

Lectureship

2015-2017

Denison Visiting Professorship Award, Michigan

University, Mt. Pleasant

1999

Schoelkopf Traveling Fellowship, Yale School of Art

EDUCATION

2024

MFA - MOTION MEDIA DESIGN

Savannah College of Art and Design, Savannah, Georgia, 4.0 GPA

2023

DSC - HONORARY DOCTORATE OF SCIENCE

Faculty of Science, Professional Achievements, McMaster University, Toronto, Canada

2020

PHD - PHYSICS & ASTRONOMY

University of the Western Cape, South Africa

2008

MS - PHYSICS & ASTRONOMY

Washington University, St. Louis, Missouri

2000

MFA - PAINTING

Yale School of Art, New Haven, Connecticut

1998

BFA - PAINTING

University of Illinois, Urbana-Champaign

1992

BS - MATHEMATICS

University of California - Berkeley, Berkeley, California

EMPLOYMENT - RECENT

2007 - PRESENT / MINNEAPOLIS, MINNESOTA

Executive Director & Founder of Native Skywatchers 501 c3 Non-profit, Indigenous STEM Revitalization

2024 - PRESENT / BREST, FRANCE

Senior Researcher, OSPAPIK (Ocean and Space Pollution, Artistic Practices and Indigenous Knowledges), Université de Bretagne Occidentale, Brest, France, ERC

2023 - PRESENT / MINNEAPOLIS, MINNESOTA

Principal & CEO, Native Skywatchers Design Studio, Data Visualization, Public Art Installations

2021 - 2022 / TEMPE, ARIZONA

Associate Professor, Arizona State University-School for the Future of Innovation in Society

2009 - 2021 / ST. CLOUD, MINNESOTA

Full Professor, Dept. Physics and Astronomy, Planetarium Director, St. Cloud State University, Minnesota

2021 - 2023 / SANTA CRUZ, CALIFORNIA

Associate Adjunct Professor, Department of Astronomy, University of California-Santa Cruz

2021 - 2022 / SANTA CRUZ, CALIFORNIA

OpenLab Faculty Fellow, OpenLab Collaborative Research, Univ. California Santa Cruz

2018 - 2023 / TOOWOOMBA, QUEENSLAND, AUSTRALIA

Adjunct Professor, Centre for Astrophysics, University of South Queensland, Australia





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RESEARCH PUBLICATIONS:

- Lee, Annette S., T. Novitsky, C. Gawboy, R. Kitto Stately, J. Tibbetts, "Spirits Dancing - A Night Sky Experience: the Digital Production", *Culture and Cosmos*, Vol. 28, (in press), 2024.
- Lee, Annette S., "Anchored to Earth by Starlight: Decolonising Relationship to Sky", *Culture and Cosmos*, Vol. 27, pp. 91-116, 2023.
- Lee, Annette S., P. Guhathakurta, T. La Follette, K. Rosok, "Native Skywatchers-Starry, Starry Night: An Interdisciplinary, Indigenous, Community-Based Collaboration During Covid-19 and Beyond", *International Astronomical Union, Comm. Astron. with the Public*, 2021.
- Lee, Annette S., G. Aldana, K. Baybayan, D. Begay, J. Holbrook, T. La Follette, N. Maryboy, "Two-Eyed Seeing: NASA & Indigenous Astronomy for the Benefit of All...Elevating Our Voices During Covid-19 and Beyond", *International Astronomical Union, Comm. Astron. with the Public*, 2021.
- Lee, Annette S., "Humanizing ASTR 101-Inspired by Indigenous Knowledge Systems", *Embracing the Future: Astronomy Teaching and Public Engagement*, *Astronomical Society of the Pacific Conference Series*, 2021.
- Lee, Annette S., J. Holbrook, N. Maryboy, D. Begay, G. Aldana, T. La Follette. "NASA, Indigenous Astronomy & K-12 Students During Covid-19." *Astronomical Society of the Pacific Conference Series*, 2021.
- Lee, Annette S., Nancy C. Maryboy, David H. Begay, Wilfred Buck, Yasmin Catricheo, Duane W. Hamacher, Jarita C. Holbrook, et al. "Indigenous Astronomy – Best Practices and Protocols for Including Indigenous Astronomy in the Planetarium Setting." *International Planetarium Society Conference Proceedings Journal*, August 2020.
- Lee, Annette S., Sally Brummel, Kaitlin Ehret, Sarah Komperud, and Thaddeus LaCoursiere. "Building a Framework for Indigenous Astronomy Collaboration, 'Native Skywatchers, Indigenous Scientific Knowledge Systems, and The Bell Museum.'" *International Planetarium Society Conference Proceedings*. Edmonton, Alberta, Canada (virtual), 2020.
- Lee, Annette S, William Wilson, Jeff Tibbetts, Carl Gawboy, Anne Meyer, Wilfred Buck, Jim Knutson-Kolodzne, and David Pantalony. "Celestial Calendar-Paintings and Culture-Based Digital Storytelling: Cross-Cultural, Interdisciplinary, STEM/STEAM Resources for Authentic Astronomy Education Engagement." In *EPJ Web of Conferences*, 200:01002. EDP Sciences, 2019.
- Lee, Annette S, "The Cosmos as Viewed Through the Lens of a Native-American Astronomer-Artist." In *Imagining Other Worlds*, edited by Nicholas Campion and Chris Impey, pg. 203-220. Gresham College, London,: Sophia Centre Press, 2018.
- Lee, Annette S. "Ojibwe Giizhiig Anung Masinaaigan and D(L)akota Makoce Wiča hpi Wowapi: Revitalization of Native American Star Knowledge, A Community Effort." *Journal of Astronomy in Culture* 1, no. 1 (2016). <https://escholarship.org/uc/item/58m4f9pq>.
- Lee, Annette S, "Native Skywatchers: Kapemni. As it is Above, It is Below...A Hands-On STEM + Art + Culture Experience", *Astronomical Society of the Pacific Conference Series, ASP Conference Series*, Vol. 500, *Communicating Science*, 2015, p. 155-166
- Lee, Annette S, and J. Rock. "Native Skywatchers and the Makoce Wica hpi Wowapi—D(L)akota Star Map—Building Community Around Native Star Knowledge," *Astronomical Society of Pacific Conference Series, ASP*, 2014

BOOKS PUBLISHED:

- Lee, Annette S., and Travis Novitsky. 2023. *Spirits Dancing: The Night Sky, Indigenous Knowledge, and Living Connections to the Cosmos*. MN: Minnesota Historical Society Press.
- Peacock, Thomas D., and Annette S. Lee. 2019. *The Forever Sky*. Minnesota Historical Society Press.
- Lee, Annette S., Jim Rock, and Charlene O'Rourke. 2014. *D/Lakota Star Map Constellation Guidebook: An Introduction to D/Lakota Star Knowledge*. Minneapolis, Minnesota: Native Skywatchers Press.
- Lee, Annette S., William Wilson, Jeffrey Tibbetts, and Carl Gawboy. 2014. *Ojibwe Star Map Constellation Guidebook: An Introduction to Ojibwe Star Knowledge*. Minneapolis, Minnesota: Native Skywatchers Press.