

Awards Program

President’s Welcome. Angela Banchemo-Kelleher

Incoming Officers

Language & Literature Chair – Mike Taylor
Physical Sciences Chair – Maria Rodriguez

Excursion

Contact CoCo James (coco.james@utah.edu) for more information

Musical Performance. Artiva Strings

Performed by Kaitlin Booth (cello) and Annalicia

Loveridge (violin)

Presents. *Salut d’Amor*,
composed by Edward Elgar

Presentation of Honorary Member Keith Lawrence

Recipient: Let Utah Read

Peter Bromberg - President

Presentation of Academy Fellow. . . . Angela Banchemo-Kelleher

Recipient: Dr. H. Laine Berghout

Utah Academy of Sciences, Arts, & Letters Past
President, Excursion, Photographer and Member At
Large

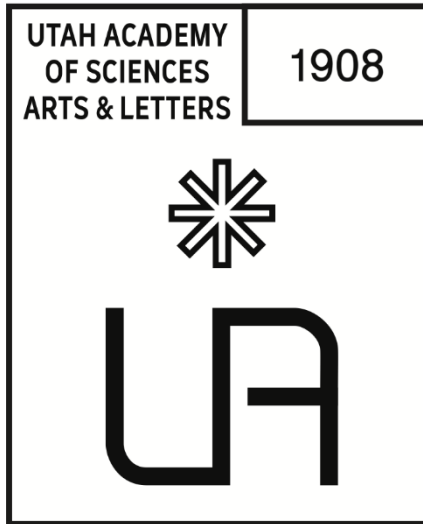
Keynote Address. Dr. H. Laine Berghout

“Questions”

Presentation of Best Paper Awards.

Angela Banchemo-Kelleher and Division Chairs

Closing Remarks Angela Banchemo-Kelleher



Utah Academy of Sciences, Arts & Letters

2024 Fall Awards Night

November 1st, 2024

5:30 PM - 6:30 PM Reception

Room 202 MSRB

6:30 PM – 8:00 PM Program & Entertainment

Maeser Auditorium

Brigham Young University

**Utah Academy of Sciences, Arts & Letters
Outstanding Best Paper/Poster Awards 2024**

Arts - Jim Godfrey Chair

Best Poster

“Turning Towards the Lord: Latter-Day Saint Temple Astro-Architectural Orientation”

Jake Wendt – Utah Valley University

Desiree Ritchie – Utah Valley University

Biological Science - Daniel Clark Chair

Best Poster

“Encoding and Processing of Visual Information in the Leech”

Belle Brown – Westminster University

Best Paper

“Isolation of Multi-drug Resistant *Serratia* from Soil”

Kaeson Severe – Weber State University

Landon Severe – Weber State University

Business - Taowen Le Chair

Best Paper

“Is Personal Compulsive Social Media Use Affecting the Happiness of Employees?”

Jeff Clements – Weber State University

Education - Doug Stump Chair

Best Paper

“Collaborative Practices Between Utah Teachers and School Social Workers”

Kristina Moleni – Weber State University

Andrea Garavito Martinez – Weber State University

Fangaafa Tu’ifua – Weber State University

Engineering - Ali Siahpush Chair

Best Paper

“Performance Analysis of a Spray-Type Passive Downdraft Evaporative Cooler”

Avline Vega – Southern Utah University

Matt Lovell – Southern Utah University

Jayden Payne – Southern Utah University

Ali Syved Siahpush – Southern Utah University

Humanities, Philosophy, & Foreign Language – Thomas Terry Chair

Best Poster

“The State of Student Media at HBCUs and HSIs”

Mariana Lopez – Weber State University

Best Paper

“Reframing Empathy”

Emily Richael – Brigham Young University

Kinesiology and Health Sciences – Tracy Fawns Chair

Best Poster

“Perceived Motivators and Barriers to Facilitate Exercise Among Primary Care Clinic Patients”

Kelsey Hansen – Weber State University

Saori Hanaki – Weber State University

Physical Science – Maria Rodriguez Chair

Best Paper

“Sacrificial Micropatterning of PDMS for Filtration and Hydrophobicity”

Kylee M Stoddard – Southern Utah University

J. Fielding Hokanson – Southern Utah University

Russell M Bodily – Southern Utah University

Emma D Monson – Southern Utah University

Christopher F Monson – Southern Utah University

Social Science – Emily Putnam Chair

Best Poster

“Exposure to True Crime Media Changes Safety Behaviors”

Tayla Bair – Snow College

Sami Flanagan – Snow College

Taesi Higgs – Snow College

Lillian Binks – Snow College

Seli Ha’angana – Snow College

Best Paper

“College Students’ and Professors’ Perceptions of a Student with ADHD: Does the Gender Matter?”

Jackson T Anderson – Weber State University

Rick B Anderson – Weber State University

Aonika M Russell – Weber State University

Kathryn Sperry – Weber State University

Dr. H. Laine Berghout, Academy Fellow

Henry Laine Berghout, (Laine) currently serves as an associate dean in the College of Science at Weber State University, where he has been a member of the chemistry faculty since 2000 teaching General Chemistry and Quantum Chemistry courses. Interacting with students as they discover chemistry is the highlight of his career at Weber State. Laine is a native of Ogden and attended public schools, ultimately graduating from Ogden High School. Following service as a missionary for the Church of Jesus Christ of Latter-day Saints, he attended then Weber State College, choosing Chemistry as a major and Physics and German as minor areas of study. He attended the University of Wisconsin–Madison for graduate study, completing a PhD in Physical Chemistry. His thesis research involved controlling the reaction dynamics of small unimolecular decomposition processes by preparation of vibrational motions in the reactant molecule followed by photolytic dissociation. Laine's interest in understanding factors that influence the safety of energetic materials led him to pursue postdoctoral research at Los Alamos National Laboratory. Laine has authored more than 20 peer-reviewed publications and presented his work in numerous regional, national, and international meetings. During the 24+ years on the faculty of Weber State, Laine has regularly mentored undergraduate research projects, including computational investigations of factors that affect the rates of chemical reactions, developing a budget Raman spectrometer, and investigating the prevalence of environmental microplastics in Utah waters. The results from some of these projects have been presented in talks at the annual conference of the Utah Academy and published as papers in the Journal of the Utah Academy. The Annual Conference of the Utah Academy of Sciences, Arts, and Letters is among Laine's favorite conferences because of its multidisciplinary nature and undergraduate-research-friendly mission. Laine has been active in the Utah Academy since he joined the faculty at Weber State, serving as Physical Sciences Chair, President-Elect, President, Past President, and member at large. His most enjoyable activities with the Academy include recognizing the outstanding accomplishments of Academy members through its various awards and participating in and sometimes

leading the Academy's Spring Excursion to places like the Mormon Pioneer National Historic Trail, the Escalante and Dominguez Trail, the Glen Canyon Dam, and Range Creek Canyon. Laine and Tamara Berghout recently celebrated forty years of marriage. They are the parents of four daughters and currently enjoy spending time with their five grandchildren. They enjoy traveling together and have recently taken up SCUBA diving.

Let Utah Read, Honorary Member

Let Utah Read is a coalition of Utahns, Educators, parents, librarians, and organizations dedicated to preserving Americans' freedom to read.

We believe that all people in American have the right to access a wide range of literature in school and public libraries and to engage with diverse ideas, free from censorship or discrimination.

We believe parents, not the government, should regulate and supervise their children's reading.

We work to educate and activate our fellow citizens across Utah so that together, we can protect the right to read for ourselves, our children, and future generations.

Here is a link to a BYU campus map showing parking: <https://map.byu.edu/>. If parking lots are not shown in color when the map appears on your screen, click on the "Parking" bar in the upper-right corner. (If building abbreviations are not shown next to campus buildings, click on the "Buildings" bar.) Toward the lower-left corner of the map, you should see a yellow parking lot with a block "Y" in the center. (This is a student parking lot, but has unrestricted public use after about 5pm.) This lot provides the most convenient parking for the Maeser Building (MSRB). You should see "MSRB" identifying a building to the right and slightly above that same parking lot. There are marked pathways up the hill on the east side of the parking lot. You can take a gradual-slope ramp up Maeser Hill on the south side of the hill, or you can go to the northeast corner of the parking lot and take a steeper ramp-stair pathway up the hill.

Please let me know if you have any questions. Virtually all campus parking is free after 5:30pm, so if you know campus and prefer to park in a different lot, that should work, too.