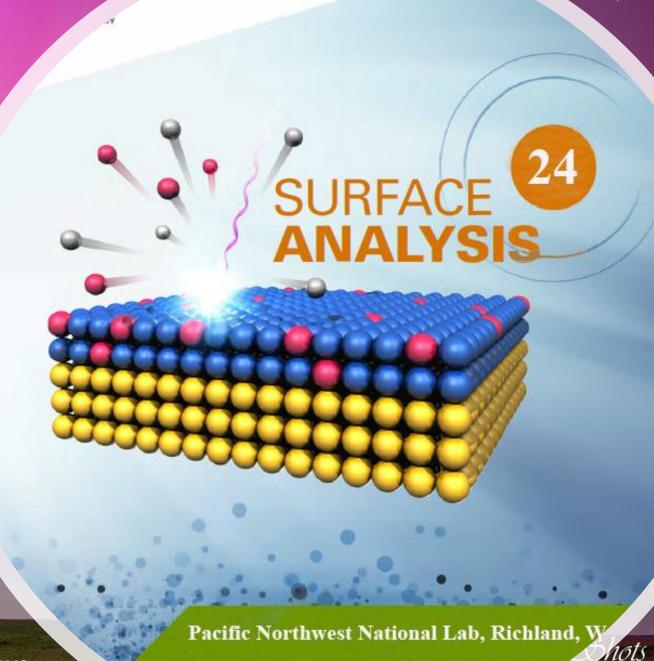
Award Ceremony

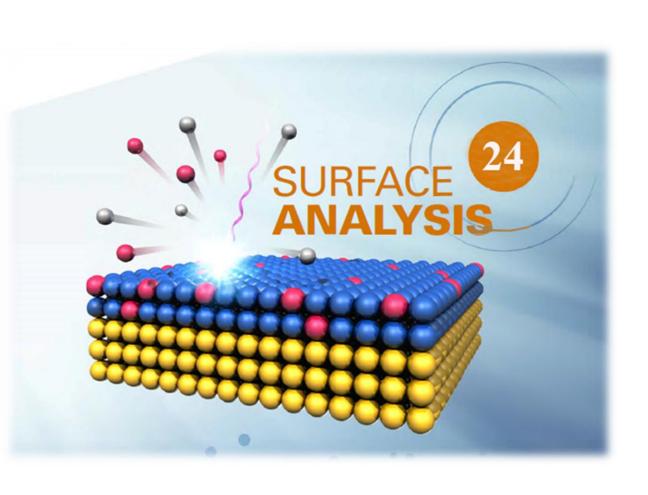
August 8, 2024

REACH MUSIUM Richland, WA



43rd Annual Symposium on Applied Surface Analysis And 35th Annual Symposium of the Pacific Northwest Chapter of AVS August 7-9, 2024

Welcome to Surface Analysis '24 Banquet and Award Ceremony



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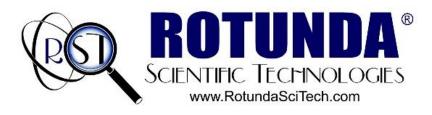


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Karthik Srinivasan, Boise State University, USA

Local Arrangements:

Theva Thevuthasan, Pacific Northwest National Lab
Shuttha Shutthanandan, Pacific Northwest National Lab
Tiffany Kaspar, Pacific Northwest National Lab
Joe Gray, Palmborg Associates



Outstanding Performance Award

For Exceptional Planning and Execution



Heather Roney
Pacific Northwest National Lab

"Your thorough planning and flawless execution made the conference a remarkable success"

Outstanding Performance Award



Daniel GomezSt Stephen's Academy



Advaitha Motkuri
Richland High School



Natalia de Vera Hanford High School



\$100 Cash

Srithan Thallapally

Richland High School



Ananya Gubba *Hanford High School*



Oliver A Melville
Hanford High School



Remy Todd Hanford High School



Navaj Nune

Aashrita Bhamidimarri Hanford High School

High School Student Poster Presentation

Undergraduate Student Poster Competition

Total Number of Posters: 6

Science:

Impact

Involvement

Poster:

Organization

Presenter:

Explanation

Ability to handle Questions

Judges:

- 1. Dr. Theva Thevuthasan, Pacific Northwest National Lab
- 2. Dr. Bhuvaneswari M. Sivakumar, Pacific Northwest National Lab
- 3. Dr. Semanti Mukhopadhyay, Pacific Northwest National Lab
- 4. Dr. Pravalika Butreddy, Pacific Northwest National Lab



1st Place Award

\$350 Cash

Hannah Chang Seattle Pacific University

Analyzing the Structure-Property Behavior of Salt Hydrates as Promising Materials for Thermal Energy Storage

1st Place Award

\$350 Cash

Tatiana Serrano-Zayas University of Puerto Rico at Mayaguez

Exploring CO2 Hydrogenation of Rhodium Bis(diphosphine) Complex in Protein Scaffolds



Grace Robinson
Whitworth University



Secondary metabolites in bioenergy plant root exudates: chemical characterization and microbial utilization

Maya Ramavarapu
University of Illinois at Urbana
Champaign

Solid State Chemistry for the Synthesis and Characterization of Ternary Metal Chlorides

\$150 Cash

R. Joseph Perko
University of Idaho



Viscosity and Self-Diffusion Coefficients of Generalized Lennard-Jones Substances

\$150 Cash

Andrew Ho Cal Poly San Luis Obispo

Doping effect on electronic and electrochemical properties of high entropy oxide thin films



Graduate Student Poster Competition

Total Number of Posters: 26

Science: Originality

Impact

Quality

Poster: Organization

Clarity

Appearance

Presenter: Explanation

Ability to handle Questions

Judges:

- 1. Prof. Connor Bischak, University of Utah
- 2. Dr. Brelon May, Idaho National Lab
- 3. Dr. Dan Thien Nguyen, Pacific Northwest National Lab
- 4. Prof. Karthik Srinivasan, Boise State University



- 5. Dr. Scott Smith, Pacific Northwest National Lab
- 6. Prof. Christopher Hendon. University of Oregon
- 7. Dr. Jose Ortiz-Garcia, Pacific Northwest National Lab
- 8. Prof. Arthur Barnard, University of Washington

1 st Place Award

Kavin Chakravarthy Thangaraj Washington State University

"In-Situ Multimodal Analysis of Copper Hydroxy Chloride for Enhanced Thermochemical Energy Storage"

\$500 Cash + \$500 expenses to AVS National Conference

1 st Place Award

Jeffrey Dhas Oregon State University

Understanding and control of the surface oxidation layers in Nb thin films

\$500 Cash + \$500 expenses to AVS National Conference

Saowaluk Soonthornkit
Oregon State University

\$350 Cash

Perovskite Oxide SrCo0.5Ir0.5O3 as an Anodic Catalyst for Proton Exchange Membrane Water Electrolysis.

\$200 Cash

Truc Phung
Oregon State University

"Economically Competitive Production of Oleo-Furan Sulfonate Detergents from Furfural and Fatty Alcohols"



Hsin-Mei Kao
Oregon State University

\$200 Cash

"Continuous-flow Synthesis and Characterizations of FeCrAl-Al2O3 Composite Microparticles"

Alvin Chang
Oregon State University

\$200 Cash

"Investigation of Cobalt Telluride Restructuring Under Oxygen Evolution Reaction Conditions"

Honorable Mention

\$100 Cash

Maria Paula Garcia Tovar

University of Puerto Rico - Mayagüez Campus

"Study of Microplastics in Water: Formation and Raman Spectroscopy via Sonication of Polyethylene Terephthalate"

Honorable Mention

\$100 Cash

Jacob Tenorio

Boise State University

"Influence of Fluorination and Oxygenation Sources on the Thermal Atomic Layer Etching of MoS2"



Honorable Mention

\$100 Cash

Ningmo Cheng
Oregon State University

"Dry Printing of Nanostructured Thin Films Enabled by Low-pressure Vapor Phase Microreactor Assisted Nanomaterial Deposition"



Emerging Leader Award

Finalists:

Christopher Hendon Connor Bischak Dan Thien Nguyen Amal El-Ghazaly University of Oregon
University of Utah
Pacific Northwest National Lab
Cornell University

Judges:

- 1. Prof. Arthur Barnard, University of Washington
- 2. Dr. Tiffany Kaspar, Pacific Northwest National Lab
- 3. Dr. Ajay Karakoti, Pacific Northwest National Lab
- 4. Prof. Karthik Srinivasan, Boise State University



Emerging Leader Award

Emerging Leader Award

Connor Bischak University of Utah

"For Outstanding contributions to advancing the science of materials at the surfaces and interfaces"