



2nd Annual Symposium

Friday, October 11, 2019

9:00 AM to 4:30 PM

Alfred University Campus

AGENDA

9:00am - Poster Session - McLane Joyce Walton Health Center

10:00am - Welcome: Mark Zupan, President Alfred University - McLane Joyce Walton Health Center

10:10am - Panel #1 Next-Generation Technologies (Blockchain, AR/VR, UAV)

Moderator: Dr. John Simmins, Director of Research and Economic Development

- Vivian Sultan, Senior Business Analyst at Southern California Edison and Professor at California State University, LA
- Dexter Lewis, Senior Technical Leader, Electric Power Research Institute
- Scott Sommers, Senior Vice President, Index AR Solutions

11:30am - Remarks Dr. Gabrielle Gaustad, Dean of Engineering Alfred University

11:45am - Lunch, Networking, Posters

1:00pm - Nevins Theatre in the Powell Campus Center

Panel #2 Energy Storage

Moderator: Dr. Holly Shulman, Alfred University

- Dr. Steven Tidrow, Professor, Alfred University
- Bill Acker, Executive Director, New York Battery and Energy Storage Technology Consortium
- Dr. Gabrielle Gaustad, Dean of Engineering Alfred University

2:00pm - Plenary and Panel #3 Resiliency and Cybersecurity for the Grid

- Plenary Talk: Dr. James Merlo, Vice President, Reliability Risk Management at North American Electric Reliability Corporation (NERC)
- Dr. Sumita Mishra, Professor of Computing Security, Rochester Institute of Technology
- Dr. Robert Sarfi, Managing Partner, Boreas Group

3:30pm - Panel #4 Workforce Needs

Moderator: David Gottfried, Deputy Director, Center for Advanced Ceramic Technology

- James Mayo, Propulsion System Engineer, Alstom
- Ross Gould, Energy Sector Program Manager, Workforce Development Institute
- Dr. James Merlo, Vice President, Reliability Risk Management at North American Electric Reliability Corporation (NERC)

4:30pm - Closing Remarks Dr. John Simmins

For more information, contact David Gottfried, Deputy Director, Center for Advanced Ceramic Technology at gottfried@alfred.edu or register online at <https://auconnect.alfred.edu/event/4925157>



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CAC Center for
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Technology



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Poster Session

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Poster Session judges: Dr. Timothy Cox, Professor of English
Ramin Faraji, Graduate student mechanical and renewable energy

Sample of Poster Titles and Authors

Charge storage in nanoscale oxide with hierarchical porosity

Alec Ladonis, Peter Metz, Peng Gao, Trevyn Hey, Scott Misture

Alfred University Tiny House

Arica Enders, Mike Quigley, Zachary Cody, Chase Dixon, Alana Eaton, Ryan
Slatcher, Monawar Obaidallah

Alfred University Electric Vehicle

Connor Glasser, Max J Carter, Marvin Wong, Christian Wong

Machine Learning Analysis to Find Cyber-Attacks

Ramin Faraji, Saeed Ahmadian

Water-Free Solar Panel Cleaning Robot

Ranin A Kanbeja, Saud A Almutairi, Nawaf Alamri

Water Desalination, PVs & Thermal

Alyami, Alshammari, Alshiban, Alajmi, Abufarraaj

How Can Renewable Technology Aid 5g Installation

Christopher Zarod

Optimization Methods for Solar Photovoltaic System

Supi Shrestha

Cyber-Security Big Data in Renewable Energy

Mhammad Alaqeel, Sultan Aldhafiri, Monawar Obaidallah

Wireless Electric Vehicle Charging

Ethan Darling

Fast Charge Electronics Using Ceramic Sheets Three Atoms Thick

Modeleine Flint, Peng Gao, Alec Ladonis, Peter Metz, Robert Koch, Scott
Misture

Hybrid Renewable Energy System For Sustainable NEOM City on Saudi Arabia

Nasser Aljuadi, Naid Alsubhi, Sultan Aljuadi, Mohammed Alzunia

Energy Efficiency in the Supermarket

Nicholas Wieme

Integration of Vehicle-To-Grid (V2G) Charging

Parker Rice, Kristofer Knapp, Jamie Klein

1.52kW-DC Grid-Tied PV System

Matthew Eisenhauer

Error Reduction

Javane Johnson

Zener Diode

Raeid A Alghamdi

Solar Smithing

Zach Plesmid

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