

# How to Navigate the Conference Program and Vote for the Best Presentation Award



Stacey Cooper

- Lobby
- Sessions
- Exhibit Hall
- Networking
- Account
- Help
- Logout

POWERED BY PHEEDLOOP

Search Schedule Filters

Welcome to ASME Virtual POWER2020 and Nuclear Engineering Conference powered by ICONE  
AUG 03 8:00 - 8:00 AM

Post Fukushima-Daiichi Nuclear Safety and the Plant Decommissioning  
Hideharu Takahashi, Hiroshige Kikura, Koji Okamoto, Mariko Chuman, Tadashi Narabayashi, Toshihiko Fukuda  
AUG 03 8:00 - 10:00 AM Pre-Conference Panel  
Pre-Recorded

Computational Fluid Dynamics Workshop  
Anas Alwafi, Elia Merzari, Richard Schultz, Yassin Hassan  
AUG 03 9:00 - 3:00 PM Pre-Recorded  
Workshop Workshop Room #1

Thermalhydraulic Methods, Experimentation and Benchmarking Workshop  
Asif Arastu, Guanghui Su, Guoqiang Wang, Jovica Riznic, Shripad Revankar  
AUG 03 9:00 - 3:00 PM Pre-Conference  
Workshop Room #1

Nuclear Codes and Standards Workshop  
Christopher Mahler, Clayton Smith, Dale Mathews, Daren Jensen, Jeffrey Fluckiger, Paul Lang, Ralph Hill, Tim Adams  
AUG 03 9:00 - 3:00 PM Pre-Conference

Welcome to ASME Virtual POWER2020 and Nuclear Engineering Conference powered by ICONE

Monday August 3rd, 8:00 - 8:00 AM



## Welcome to ASME Virtual POWER2020 and Nuclear Engineering Conference powered by ICONE

Things to remember to maximize your experience at ASME's first Virtual POWER2020 and Nuclear Engineering Conference powered by ICONE

- 1 Read the Instructions!**  
At the end of this page there are tips and tricks on how to use PheedLoop and how to navigate to the details page and videos to help you achieve your goals at this event.
- 2 Check the time**  
Look at the Final Program. PheedLoop automatically adjusts the time to the time zone you are in. Make sure you have the time right, so you don't miss the presentations and Live Q&A.
- 3 Use Google Chrome**  
Chrome is the browser of choice. Please do not attempt to use another browser.
- 4 Turn on your Notifications**  
Make sure you update your profile and enable your notifications. This will help you know what is going on and when other attendees want to chat.
- 5 Don't click BACK**  
The platform is not designed for you to navigate with the back button. Please ensure you click through the page to maximize your time online.
- 6 Network**  
Use the networking tab on the left-hand side panel. Find colleagues or new acquaintances and start a conversation, setup a meeting, or just send questions and comments.
- 7 Ask Questions**  
Find the Public Session Chat on the right-hand side and ask questions. Remember that even if the session isn't live you can leave your comments.
- 8 Watch On-Demand**  
There are 400+ technical papers and presentations, make sure you watch your favorite topics and vote for the Best Presentation Awards.
- 9 Visit the Exhibit**  
Our sponsors and exhibitors are here to meet and talk to you. Make sure you leave them your information, so you can learn and catch up.
- 10 Join the Receptions**  
At the receptions, you'll have an opportunity to relax with your new colleagues, play trivia, ask questions, see the awards, and win prizes!
- 11 Navigate the Schedule-at-a-Glance**  
Everything on Monday is On-Demand, please send chat questions to the presenters. All technical sessions are available to watch, chat the authors questions. For Tuesday and Wednesday, where it says Live Q&A interact with speakers real time.



Add to Calendar

Public Session Chat

No one has started chatting here yet. Leave a message to be the first!

Send chat message



**Login**

***This will be the email you used to register for the conference.***

***Note: You must have an ASME account to vote***



***Go to the Conference Session Gallery!***

<https://icone-power.secure-platform.com/a/gallery?roundId=336>

ASME  
SETTING THE STANDARDS

Provided by ASME The American Society of Mechanical Engineers

**Sign In**

What is your e-mail address?  
cruzalfonzoc@asme.org

Do you have an existing ASME account?  
 No, I am a new customer  
 Yes, my password is

.....

**Continue**

[Forgot your password](#) [Start Over](#)

Use the Final Program what session the papers have been assigned or use the Session Gallery



Home / ICONE28-POWER2020 - Virtual Conference Gallery

ASC Submission Name

Show My Favorites

Refine your search

Search

Search

Category: Student Paper Competition

VIEW SUBMISSION

VOTE FOR THIS SUBMISSION

Category: Technical Paper Publication

VIEW SUBMISSION

VOTE FOR THIS SUBMISSION

Category: Student Paper Competition

VIEW SUBMISSION

VOTE FOR THIS SUBMISSION

Category: Any

Technical Paper Publication

Technical Presentation Only

Student Paper Competition

Select Conference for Submission: Any

Power 2020 Topic: Any

ICONE28 Topic/Track: Any

Reset all filters

"A Review of Degradation Modeling of Key Components of Sensor Circuits Based on Physical Analysis"  
Session: ICONE 14.7 - Student Paper Competition  
ASME Paper Number: ICONE28-POWER2020-16677  
Start Time: August 5, 2020, 10:15 AM  
Presenting Author: Yunlong Zhu, Institute of Nuclear and New Energy Technology of Tsinghua University, China (Mainland)

"A Comparative Study of Constrained and Unconstrained Melting Inside a Sphere"  
Session: ICONE 14.6 - Student Paper Competition  
ASME Paper Number: ICONE28-POWER2020-16056  
Start Time: August 4, 2020, 03:30 PM  
Presenting Author: Rohit Kothari, Indian Institute of Technology Indore, India

"A Comprehensive Framework for Distributed Energy Resource Aggregators"  
Session: POWER 12.1 - Student Competition  
ASME Paper Number: ICONE28-POWER2020-16637  
Start Time: August 5, 2020, 01:45 PM  
Presenting Author: Nicolas Campbell, Arizona State University, United States

# Search by Paper Number, Author, Topics, Keywords



Home / ICONE28-POWER2020 - Virtual Conference Gallery

ASC Submission Name

Show My Favorites

### Refine your search

Search

Search

Category Any

Technical Paper Publication

Technical Presentation Only

Student Paper Competition

Select Conference for Submission Any

Power 2020 Topic Any

- Fuels, Combustion & Material Handling
- Combustion Turbine Combined Cycles
- Boilers & Heat Recovery Steam Generators
- Virtual Plant and Cyber-Physical Systems
- Plant Development and Construction
- Renewable Energy Systems
- Heat Exchanger Technologies
- Steam Turbines, Generators and Auxiliaries

☆ "A Review of Degradation Modeling of Key Components of Sensor Circuits Based on Physical Analysis"

Session: ICONE 14.7 - Student Paper Competition

ASME Paper Number: ICONE28-POWER2020-16677

Start Time: August 5, 2020, 10:15 AM

Presenting Author: Yunlong Zhu, Institute of Nuclear and New Energy Technology of Tsinghua University, China (Mainland)

Category: Student Paper Competition

VIEW SUBMISSION

VOTE FOR THIS SUBMISSION

☆ A Comparative Study of Constrained and Unconstrained Melting Inside a Sphere

Session: ICONE 14.6 - Student Paper Competition

ASME Paper Number: ICONE28-POWER2020-16056

Start Time: August 4, 2020, 03:30 PM

Presenting Author: Rohit Kothari, Indian Institute of Technology Indore, India

Category: Technical Paper Publication

VIEW SUBMISSION

VOTE FOR THIS SUBMISSION

☆ A Comprehensive Framework for Distributed Energy Resource Aggregators

Session: POWER 12.1 - Student Competition

ASME Paper Number: ICONE28-POWER2020-16637

Start Time: August 5, 2020, 01:45 PM

Presenting Author: Nicolas Campbell, Arizona State University, United States

Category: Student Paper Competition

VIEW SUBMISSION

VOTE FOR THIS SUBMISSION

☆ A Framework for Demand-Side Management With Demand Response Input

Session: POWER 12.1 - Student Competition

ASME Paper Number: ICONE28-POWER2020-16635

Start Time: August 5, 2020, 01:45 PM

Presenting Author: Miguel Peinado-Guerrero, Arizona State University, United States

Category: Student Paper Competition

VIEW SUBMISSION

VOTE FOR THIS SUBMISSION

☆ A High-Power Ironless Ultra-Light Direct-Drive

Category:



**Find the  
details**



☆ **A Comparative Study of Constrained and Unconstrained Melting Inside a Sphere**

**Session:** ICONE 14.6 - Student Paper Competition

**ASME Paper Number:** ICONE28-POWER2020-16056

**Start Time:** August 4, 2020, 03:30 PM

**Presenting Author:** Rohit Kothari, Indian Institute of Technology Indore, India

**Category**

Technical Paper Publication

**VIEW SUBMISSION**

**VOTE FOR THIS  
SUBMISSION**

***Details that are available without Viewing Submission:***

***Session***

***Paper Title***

***Paper Number***

***Day and Time***

***Presenting Authors***

*Click on View Submission for more information.*



**Find the details**

☆ **A Comparative Study of Constrained and Unconstrained Melting Inside a Sphere**

**Session:** ICONE 14.6 - Student Paper Competition

**ASME Paper Number:** ICONE28-POWER2020-16056

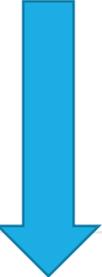
**Start Time:** August 4, 2020, 03:30 PM

**Presenting Author:** Rohit Kothari, Indian Institute of Technology Indore, India

**Category**  
Technical Paper Publication

**VIEW SUBMISSION**

**VOTE FOR THIS SUBMISSION**



[Home](#) / [ICONE28-POWER2020 - Virtual Conference Gallery](#) / [A Comprehensive Framework for Distributed Energy Resource Aggregators](#)

**A Comprehensive Framework for Distributed Energy Resource Aggregators**

An operational framework is proposed for managing aggregated distributed energy resources (DERs). Currently, aggregators partake in the energy market with minimal coordination or exchange of information with the concerned parties. In particular, demand response (DR) has yet to offer its potential value to the grid. It continues to be utilized as a bulk service for peak-shaving, served with no regard or accountability of the additional effects it brings. This has led to numerous issues surrounding DR events, mainly concerning the distribution system. In both practice and literature, there lacks a structured method for aggregators to operate optimally while addressing the issues observed. Most of the research found in literature pertains to a singular problem, for example, aggregating electric vehicles (EV), optimal bidding strategies, optimal scheduling, and congestion management using DR. The integration of these large concepts is not found in literature but is important in understanding the practical effects additional technical and financial constraints have on an optimal solution. The framework proposed is comprehensive, containing all the components believed to be necessary for an aggregator to operate with respect to the distribution constraints. It is also conceptual and meant to emphasize the benefits the individual components and the complete framework offer.

☆ **A Comprehensive Framework for Distributed Energy Resource Aggregators**

**Category**  
Student Paper Competition

**Description**  
**Session:** POWER 12.1 - Student Competition

**ASME Paper Number:** ICONE28-POWER2020-16637

**Start Time:** August 5, 2020, 01:45 PM

**Presenting Author:** Nicolas Campbell, Arizona State University, United States

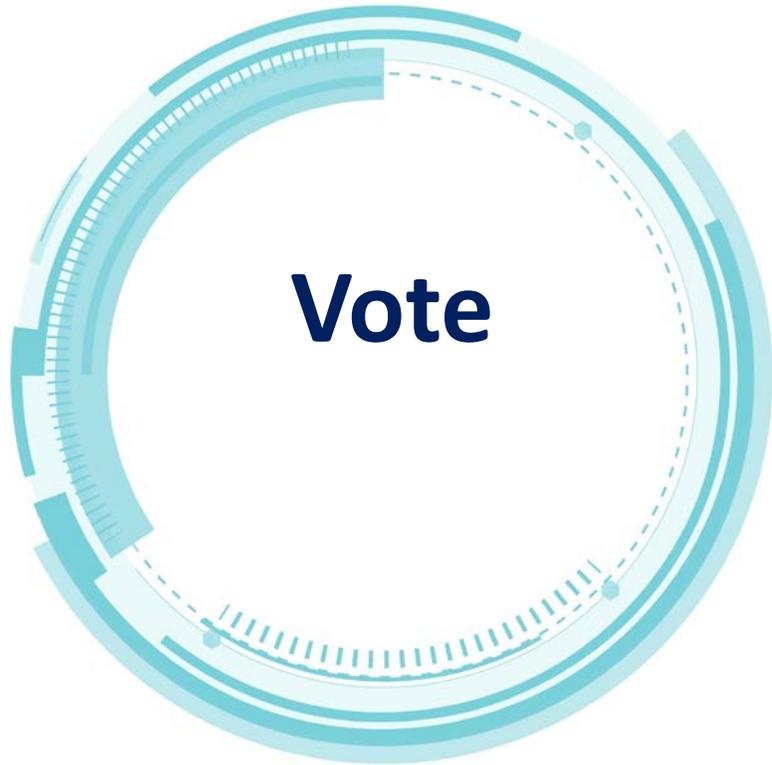
**Authors:**

Nicolas Campbell  
Miguel Peinado-Guerrero  
Jesus Rene Villalobos  
Patrick Phelan

**VOTE FOR THIS SUBMISSION**

*View paper abstract as well as all authors*

# You can vote on the main page or on the individual page



☆ **A Comparative Study of Constrained and Unconstrained Melting Inside a Sphere**  
Session: ICONE 14.6 - Student Paper Competition  
ASME Paper Number: ICONE28-POWER2020-16056  
Start Time: August 4, 2020, 03:30 PM  
Presenting Author: Rohit Kothari, Indian Institute of Technology Indore, India

Category  
Technical Paper Publication

[VIEW SUBMISSION](#)

[VOTE FOR THIS SUBMISSION](#)

Home / ICONE28-POWER2020 - Virtual Conference Gallery / A Comprehensive Framework for Distributed Energy Resource Aggregators

**A Comprehensive Framework for Distributed Energy Resource Aggregators**  
An operational framework is proposed for managing aggregated distributed energy resources (DERs). Currently, aggregators partake in the energy market with minimal coordination or exchange of information with the concerned parties. In particular, demand response (DR) has yet to offer its potential value to the grid. It continues to be utilized as a bulk service for peak-shaving, served with no regard or accountability of the additional effects it brings. This has led to numerous issues surrounding DR events, mainly concerning the distribution system. In both practice and literature, there lacks a structured method for aggregators to operate optimally while addressing the issues observed. Most of the research found in literature pertains to a singular problem, for example, aggregating electric vehicles (EV), optimal bidding strategies, optimal scheduling, and congestion management using DR. The integration of these large concepts is not found in literature but is important in understanding the practical effects additional technical and financial constraints have on an optimal solution. The framework proposed is comprehensive, containing all the components believed to be necessary for an aggregator to operate with respect to the distribution constraints. It is also conceptual and meant to emphasize the benefits the individual components and the complete framework offer.

**A Comprehensive Framework for Distributed Energy Resource Aggregators**  
Category  
Student Paper Competition  
Description  
Session: POWER 12.1 - Student Competition  
ASME Paper Number: ICONE28-POWER2020-16037  
Start Time: August 5, 2020, 01:45 PM  
Presenting Author: Nicolas Campbell, Arizona State University, United States  
Authors:  
Nicolas Campbell  
Miguel Peinado-Guerrero  
Jesus Rene Villalobos  
Patrick Phelan

[VOTE FOR THIS SUBMISSION](#)

**Confirm Your Selection**  
You can vote one time per Submission.

**Submission**  
A Comprehensive Framework for Distributed Energy Resource Aggregators

**Category**  
Student Paper Competition

[Cancel and Go Back](#) [Confirm Vote](#)

Thank You for Voting for the **People's Choice Best Presentation Award!**

We have counted your vote. We will announce the winners at the **Awards Ceremony on August 5 at 5PM EDT.**

Join us for a chance to win a [\\$25 Amazon Gift Card.](#)

Enjoy the rest of ASME Virtual POWER2020 and Nuclear Engineering Conference powered by ICONE!

Make your way back to the [Conference Portal!](#)

[Go Back To Gallery](#)

**You can continue voting or go back to the conference portal to enjoy more content!**