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## October 2024 Newsletter

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## **President's Message**

Greetings ASHRAE Puget Sound Members!

I hope this message finds you well!

We are thrilled to announce the launch of our new website last month. The feedback on its look and feel has been fantastic! We've made it easier to navigate and added dedicated pages for the various Committees within our Chapter. Please take a moment to explore and share your thoughts with us.

Thank you to everyone who attended our September Chapter meeting. We had an insightful session on current and emerging procedures for estimating GHG emissions. Our speaker, Charles Eley, highlighted the importance of when we use electricity over how we use it, as we move towards decarbonizing and electrifying our grid systems. If you missed it, you can access the slide deck from the presentation here: [September 2024 Chapter Meeting Slides | ASHRAE Puget Sound Chapter \(pugetsoundashrae.org\)](#).

Our Student Activities Committee has been busy with two successful events: the Georgetown Steam Plant Science Fair and the Dawg Daze Engineering Lunch. These events generated a lot of interest from the local community and helped us onboard 25 new student members. Our Chapter thrives when students get involved in our exciting work! Their participation brings in fresh ideas and energy and their enthusiasm drives our Chapter's success and innovation.

Looking ahead, we are excited to host Dr. Chasin in October. He will present on the grid impacts of building electrification. Dr. Chasin's extensive work in building and electric power systems, particularly in modeling, simulation, and energy technology applications, promises to be enlightening. His presentation will cover the impact of load electrification, EV charging infrastructure and the emergence of data centers as a potential major driver for electric load growth in the coming years. This event will be held as a dinner meeting, and we invite you to join us.

For more details and to register, please visit our website: [October 2024 Chapter Meeting | ASHRAE Puget Sound Chapter \(pugetsoundashrae.org\)](#).

Lastly, we are always seeking sponsors to help our Chapter better serve you. If you or your organization is interested in sponsorship opportunities, please let us know.

Best Regards,

Siddharth Premkumar

ASHRAE Puget Sound Chapter President

## **October Chapter Meeting**

### **Grid Impacts of Building Electrification: Load Modeling and Forecast for the Next 10 Years**

October 23rd, 2024 05:30 - 07:30 pm PDT

Renaissance Hotel - The Fig and the Judge

515 Madison St, Seattle, WA 98104



The North American Electric Reliability Corporation (NERC) Load Modeling Work Group (LMWG) is responsible for advancing and utilizing dynamic load models of electrical loads at the interconnection-level in North America. The LMWG addresses issues related to available dynamic load models, load model datasets and guidelines for load modeling practices, and provides guidance on the future development of dynamic load modeling capabilities across North American. This talk will focus on the ten-year load forecasts developed at SLAC National Accelerator Laboratory in support of NERC resource adequacy planning efforts. The discussion will include the impact of load electrification, electric vehicle charging infrastructure, and the emergence of data centers as a potential major driver of electric load growth.

**Tickets:**

Professional: \$40 (Use Coupon Code **Member2425** for \$5 off)

Student: Free

Buffet dinner will be served.

[Register Now!](#)



## David P. Chassin, PhD

*Dr. Chassin is a senior staff scientist in the Grid Integration Systems and Mobility group at SLAC National Accelerator Laboratory, which is operated by Stanford University [stanford.edu] for the US Department of Energy. Before working at SLAC, David worked for 24 years at Pacific Northwest National Laboratory where he led the development of building energy modeling, control, and diagnostic systems, including Softdesk Energy and DOE's Whole Building Diagnostician. He designed the Olympic Peninsula and Northeast Columbus retail real-time pricing systems. He also managed the development of GridLAB-D™, an open-source smart grid simulation built by PNNL for the US Department of Energy, which is now distributed by the Linux Foundation's LF Energy under the name "Arras Energy". David contributes to the North American Electricity Reliability Council (NERC) Load Forecasting Work Group where he supports the development of composite load model data for North American utilities and reliability coordinators.*

*David's current research focuses on buildings and electric power systems, with a special focus on modeling, simulation, and applications of peer-to-peer and transactive energy technology. He designs and develops solutions for the control and dispatch of fast-acting demand response, distributed energy resource control, retail real-time resource dispatch using prices, and transactive control theory. He has been awarded 21 US patents in building energy system diagnostics, grid-friendly appliance controls and transactive control systems and has published more than 150 articles, papers, and technical reports.*

## Student Activities News



- Recap of September events! We tabled at the first annual Georgetown Steam Plant Science Fair on Sunday, Sept. 22 and got some great interactions and feedback from the local community. The UW Seattle Student Branch had its first event of the year: the Engineering Launch on Tuesday, Sept. 24. We had a great turnout with over 20 students signing up for the mailing list. Big thanks to CMS and Airreps for lending us equipment and models to demonstrate!
- Upcoming events: We are looking for volunteers for virtual resume reviews and in-person mock interview events hosted at UW Seattle! Additionally, anyone who wants to do a technical presentation to engage college students, please reach out! Commitment time is about 2 hours sometime in the winter and spring quarters (date flexible). Send us an email at [students@pugetsoundashrae.org](mailto:students@pugetsoundashrae.org)

## Check Out More Photos Here

ASHRAE Puget Sound is always looking for new volunteers for our various committees. If you are interested in joining a committee, or becoming chair of a currently vacant committee, please reach out to us at [info@pugetsoundashrae.org](mailto:info@pugetsoundashrae.org)

## ASHRAE Puget Sound Chapter Website

Our website is an excellent resource for HVAC&R engineers in the Puget Sound region. Visit to [pugetsoundashrae.org](http://pugetsoundashrae.org) or check out these useful links:

### **Punch List**

Past event presentation slides, news and society updates.

### **Events Calendar**

Chapter meetings, as well as other relevant HVAC&R events

### **Job Postings**

If you are looking for a job, or looking for somewhere to post a job listing, this is the place for you!

### **Sponsorship Opportunities**

Is your business or employer interested in sponsoring ASHRAE Puget Sound? This is a great way to give back to our HVAC&R community! Your sponsorship supports our programs, and student scholarships!

Thanks to Our Sponsors!



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