

## Mission Statement

The 7x24 Exchange Northwest Chapter's mission is to provide an open educational forum dedicated to the continuous improvement and increased awareness of data center reliability by focusing on the key disciplines of design, construction, maintenance, security and management with the goal of obtaining continuous data center operations.

## Symposium: Mission Critical Roundtable "New Directions"

**Date:** Wednesday, December 15, 2010 4:00 pm to 7:00 pm

**Location:** University of Washington  
Tower Data Center  
(Formerly the Safeco Center)

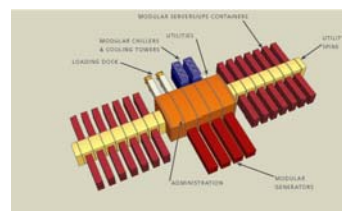
UW Tower  
4310 12<sup>th</sup> Avenue N.E.  
Seattle, WA

*Parking available in the parking garage on the west side of 12<sup>th</sup> Avenue N.E.*



## Agenda:

- 4:00 pm Board of Directors Meeting & Open Networking
- 4:30 pm **Evaporative Cooling for Data Centers**
- 5:15 pm ***Are Modular Data Centers Really in Our Future?***
- 5:45 pm Refreshments
- 6:15 pm ***Tour of the UW Tower Data Center***
- 7:00 pm Adjourn



## **Presentations**

### **The Next Generation of Data Center Cooling: Air + Evaporation = No Chillers!**

**Tom Boysen, Project Executive, University Mechanical Contractors**  
**Doug Blome, Principal, DB Engineers**

New data centers are using outside air with evaporative cooling to reduce their mechanical energy dramatically, achieving annual PUE's of less than 1.25. In some cases, chiller plants have been completely eliminated. This presentation will review the strategies, implementation, limitations and lessons learned from several recent projects.

#### ***About the Speakers***

Doug Blome is a Principal of DB Engineering, a mechanical consulting firm in Redmond Washington. Doug is a Registered Mechanical Engineer with over 20 years of experience in mechanical design, specializing in high power density office campus and data center development. Project locations range from local to national to international.

Tom Boysen is a Project Executive with University Mechanical Contractors, Inc. He is a Registered Mechanical Engineer in three states with 18 years of experience in mechanical design, construction, and commissioning. Data Center clients include major financial institutions, software corporations, telecommunications, and government.

### **Are Modular Data Centers Really In Our Future?**

**Josh Reyneveld, Principal, Myoonet, Inc.**

Given the buzz about modular data centers, this presentation will attempt to assess truth from fiction on strategies for modular deployments and applicability to your enterprise. Josh will share his experience and market insights into this emerging trend of modular data center strategies.

#### ***About the Speaker***

Joshua Reyneveld, a Principal with Myoonet, Inc. a Seattle-based company dedicated to designing, integrating and providing modular data center solutions. He is a veteran data center designer, with 25 years of experience in all types of data centers, including some of the world's largest for Fortune 500 companies. He has been evaluating/developing modular solutions as a way of providing greener, low-carbon footprint data center solutions.

### **Tour of the University of Washington's New Tower Data Center**

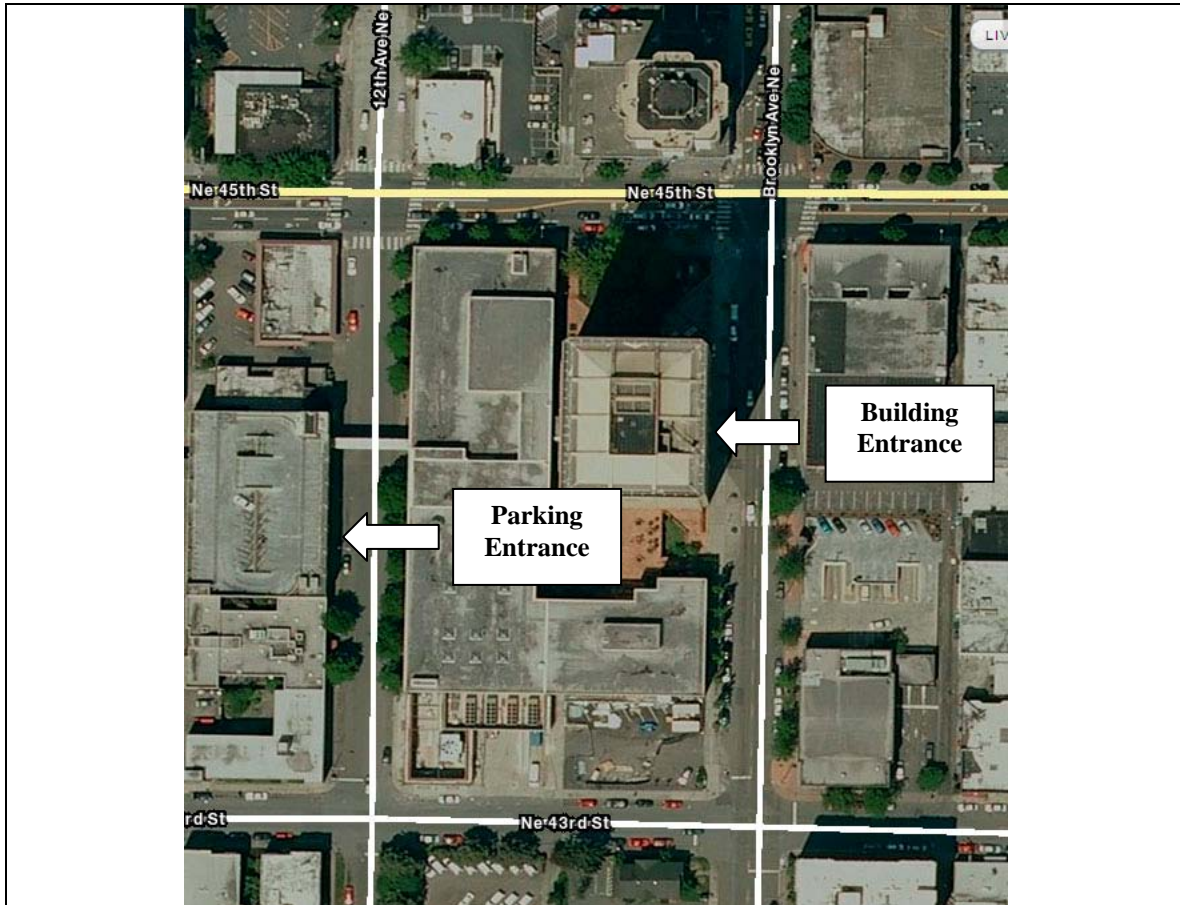
Completed in the winter of 2009, the new Tower Data Center provides computing services for the University of Washington administrative functions and research users. The data center was designed with a multi-tiered infrastructure to provide variable levels of redundancy for different user needs, and allows for future expansion of capacity and redundancy to meet future IT requirements.

## **Registration – Important!!!**

You must be registered to attend this meeting due to required security check in procedures. Register On Line by **Monday, December 13** at: [www.7x24nw.org/eventregister.htm](http://www.7x24nw.org/eventregister.htm)

# Mission Critical Roundtable

Map and Directions  
University of Washington  
UW Tower  
4310 12<sup>th</sup> Avenue N.E.  
Seattle, WA



## Directions

### From I-5 Northbound:

Take Exit 169 to NE 45<sup>th</sup> Street, Eastbound  
Turn Right on 12<sup>th</sup> Avenue NE  
Turn Right into the parking garage on your right about mid-block.  
Building entrance is on the east side of the complex, accessible from Brooklyn Avenue NE

### From I-5 Southbound:

Take Exit 169 to NE 45<sup>th</sup> Street, Eastbound  
Turn Right on 12<sup>th</sup> Avenue NE  
Turn Right into the parking garage on your right about mid-block.  
Building entrance is on the east side of the complex, accessible from Brooklyn Avenue NE

## **Membership**

The 7x24 Exchange Northwest Chapter encourages membership from all disciplines involved in the design, construction, and operation of critical facilities. Vendors, consultants and users can benefit from the broad range of perspectives and technology awareness our members provide. Our chapter offers two levels of membership, individual and corporate. An individual membership is available for \$50.00 per year and a corporate membership is available for \$200.00 per year. A corporate membership allows you to have as many people in your company be members for one low price.

The easiest way to become a member is to register on line at our website: [www.7x24nw.org](http://www.7x24nw.org), look for the Membership page. Fill out the form, click submit, and our membership coordinator will contact you right away. It's that easy!

We invite interested people to attend one session free of charge to see if you like to presentations and the organization. Bring a colleague, a client, or a vendor to the next meeting and introduce them into this dynamic group.

## **Looking for a new Program Chair**

Russ Mykytyn has returned to the east coast and so we are looking for a new Chapter Program Chair. This position involves the planning of our chapter meetings, lining up speakers, and assisting with meeting preparations. If you have an interest in this position, please contact any one of our board members.

## ***Speaking & Presentation Opportunities***

The 7x24 Northwest Chapter is always interested in presentations from end users, consultants, and vendors on new and interesting topics. If you have a topic that you would like to present or if you have a suggestion for a presentation, please contact our Program Chair:

Leonard Ruff, AIA  
Callison  
T: 206-623-4646  
Email: [Leonard.ruff@callison.com](mailto:Leonard.ruff@callison.com)

## Officers and Committees

### President

Doug Bors, PE  
Sophometrics  
T: 206-963-3077  
Email: [dbors@sophometrics.com](mailto:dbors@sophometrics.com)

### Vice President

Bill Hunter  
Disney Internet Group  
T: 206- 664-4823  
Email: [bill.hunter@dig.com](mailto:bill.hunter@dig.com)

### Treasurer

Karen Dines  
T: (253) 929-6003  
Email: [kld98052@yahoo.com](mailto:kld98052@yahoo.com)

### Secretary

Leonard Ruff, AIA  
Callison  
T: 206-623-4646  
Email: [leonard.ruff@callison.com](mailto:leonard.ruff@callison.com)

### Newsletter & Website

Leonard Ruff, AIA  
Callison  
T: 206-623-4646  
Email: [leonard.ruff@callison.com](mailto:leonard.ruff@callison.com)

### Program Chair

This position is open!! If you have an interest in working with our chapter, please contact Leonard Ruff at Callison: 206-623-4646, [Leonard.ruff@callison.com](mailto:Leonard.ruff@callison.com)

If you would like to get involved in Chapter activities, just let one of the board members know, we are always looking for more member participation in planning Chapter sessions and communications.