



The end-to-end reliability forum.

## Northwest Chapter

WWW.7X24NW.ORG

### 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 focusing on the key disciplines of design, construction, maintenance, security and management with the goal of obtaining continuous data center operations.

### Mark Your Calender

September 9, 2003  
7x24 Exchange NW Chapter  
Fall Session  
Hyatt Regency  
Bellevue, WA  
3:30pm - 7pm

November 16 - 19, 2003  
7x24 Exchange  
National Fall Conference  
San Antonio, TX  
[www.7x24exchange.org](http://www.7x24exchange.org)

February 10, 2004  
7x24 Exchange NW Chapter  
Winter Session

May 18, 2004  
7x24 Exchange NW Chapter  
Spring Session

June 6-9, 2004  
7x24 Exchange  
National Spring Conference  
Orlando, FL  
[www.7x24exchange.org](http://www.7x24exchange.org)

# fall 2003 UPDATE

## Spring Chapter Session

- Chilled Water Systems
- Mission Critical Design Build
- Biotechnology

The Spring Session was definitely one of the most information packed chapter meetings ever held. Covering a wide range of topics and industries, this meeting was a benchmark session, expanding the chapter focus on Mission Critical operations beyond the traditional data center and into the world of biotechnology.

Paul Willis, of Willis Energy Services led the presentations with a detailed examination of the Opti-Chill process, creating energy savings opportunities through chilled water plant optimization in critical environments.

Gregory Bogard and Jim Gylling of Howard S. Wright Construction, along with Leonard Ruff of Callison Architecture, presented a new view of the Design Build process for Mission Critical projects, built around an integrated teaming approach and prioritized design methodology.

Ruth Scott, of the Washington Biotechnology & Biomedical Association gave an extensive overview of the biomedical industry both here in Washington state and across the country.

Tom Erlandson, of Alexander Commercial Real Estate, shared his insights into the workings of the biomedical industry along with some of the unique 7x24 operational and facility challenges faced by this industry.

Finally, the Chapter was pleased to welcome Bob Cowan, of the Fred Hutchinson Cancer Research Center, who shared the perspective of Mission Critical systems and operations in an industry leader in the biomedical and biotechnology field.

The Northwest Chapter extends a sincere thanks to all of the presenters for making this session one of the most informative and diverse sessions to date.

## Remember: Extended Networking and New Start Time

We will now be starting at 3:30 pm instead of 4:00 pm to allow for an extended networking session before the actual Chapter meeting.

Presentations will start promptly at 4:00 pm, so come early, avoid the rush, and take the opportunity to network with your peers and colleagues.

Date

Tuesday, September 9, 2003  
3:30 pm - 7 pm

Hyatt Regency  
Bellevue  
900 Bellevue Way NE  
(At Bellevue Place)  
Bellevue, WA

## Agenda

3:30 pm  
Sign In &  
Networking

4:00 pm  
Challenges of Cooling  
High Density Data  
Centers

4:45 pm  
Break

5:00 pm  
Energy Savings  
Opportunities in  
Data Centers

5:45 pm  
Break

6:00 pm  
Power Availability  
in Hospitals

7:00 pm  
Adjourn

# Data Center Roundtable

## *Challenges of Cooling High Density Data Centers*

Rich Greco, Director of Critical Facilities Assurance  
EYP Mission Critical Facilities

Increasing thermal densities of computer equipment present challenges in maintaining uniform air distribution in the data center environment. Rich will present strategies for supporting high heat density critical environments and examine methods used for ensuring proper airflow and temperature with different approaches. Rich will also examine the impacts of component failures and the resultant changes in airflow using newly developed computational fluid dynamics applications.

## *Energy Saving Opportunities in Data Centers*

David Poetker, Coffman Engineers  
Doug Bors, ConeTwelve

Newer energy codes and the increasing costs of energy have brought a higher level awareness to the energy usage in the data center environment. The issue of data center efficiency has become a critical issue as businesses explore new ways to minimize operating costs, maximize investment, and preserve valuable resources. Dave and Doug will present an overview of opportunities for energy savings in the data center environment in both the mechanical and electrical systems.

## *Power Availability in Hospitals*

Tim Janof  
Sparling

The healthcare industry represents one of the highest "Mission Critical" levels required. When the mission is the preservation of life itself, providing true 7x24 availability of critical systems is paramount to all other considerations. Tim will present a detailed examination of 7x24 operations and systems in hospitals, along with case studies, discussion of vulnerabilities present in hospitals, the convergence of healthcare and technology, and a look forward to achieving true Mission Critical availability in the practice of healthcare.

## Previous Chapter Presentations now Available Online!

Presentations delivered at the Chapter meetings will now be available for download on the website. All presentations will be posted in Adobe Acrobat (pdf) format for ease of use. These presentations are available for public dissemination, however, please respect the original authors and give credit with any reference to the information.

The 7x24 Exchange, Northwest Chapter, does not endorse any product information, companies or practices contained in these presentations and does not accept any liability arising from any use of the information contained therein.

We encourage diverse and spirited discussion about any of the topics presented at our Chapter meetings or posted on the website.

## RSVP

by Friday, September 5

Boeing Information &  
Support Services

Attn: Rob Costa

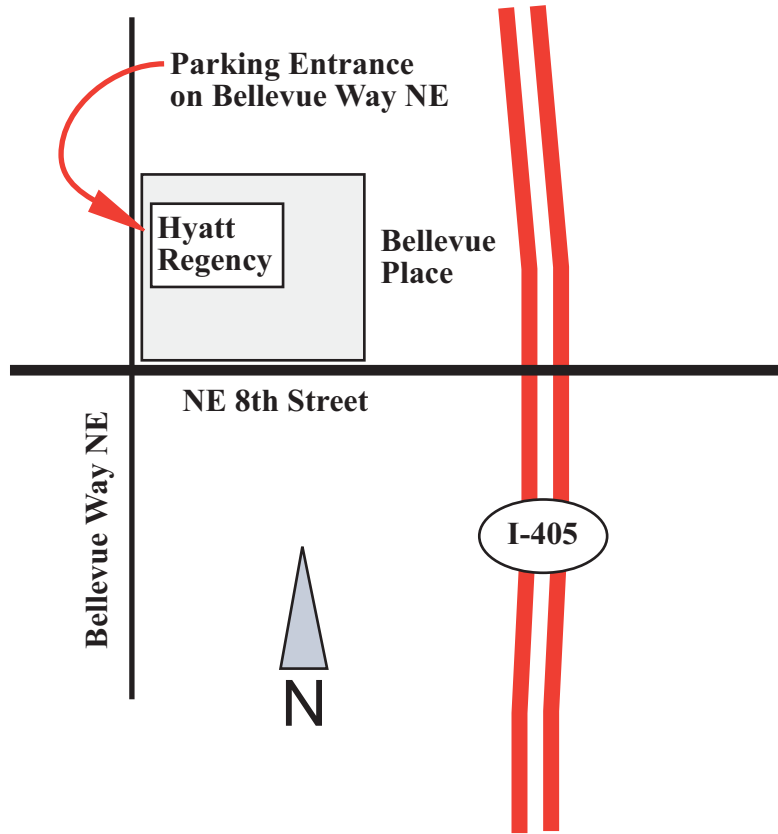
T: 425-865-2187  
F: 425-865-2961  
E: robert.costa@boeing.com

Space is limited to promote  
interactive discussion.

## Directions

From I-90:  
Take I-405 North  
Exit on NE 8th St.  
Go west and turn  
North on Bellevue  
Way NE

From SR-520:  
Take I-405 South  
Exit on NE 8th St.  
Go west and turn  
North on Bellevue  
Way NE



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# 7x24 Exchange

Northwest Chapter

## Membership Application

Membership Type:  Individual \$50 per year  Corporate \$200 per year  
 Renewal  New Member

*For corporate memberships, complete one application for each individual and return the applications together with your membership fee. Corporate memberships may include an unlimited number of members per company. Send applications and payment to: Leonard Ruff, Callison Architecture, 1420 Fifth Avenue, Suite 2400 Seattle, WA 98101. Make checks payable to: 7x24 Exchange Northwest Chapter*

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Company: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_

Country: \_\_\_\_\_

Telephone: \_\_\_\_\_ Fax: \_\_\_\_\_

Email Address: \_\_\_\_\_

Remember, you can register on-line at: [www.7x24nw.org](http://www.7x24nw.org).