



## The Instrumentation, Systems, and Automation Society – Alaska Section

May 2004

Issue 14

### Inside this issue:

Current Events	1
Officers & Board	2
Presidents Message Special Points of Interest	3
Information	4
Information	5
Calendar	6

### Current Events

#### General Membership Meeting

**Date:** Thursday, May 20, 2004

**Time:** 12:00 noon

**Where:** Lone Star Steakhouse

4810 "C" Street

**Cost:** Ordering Off The Menu

**Guest Speaker:** Eddie Lee, Project Engineer, Phoenix Contact Inc.

#### Subject: Industrial Wireless Technology

The use of wireless technologies in SCADA and telemetry applications has grown due in large part to labor savings and ease of commissioning. In this introductory seminar we will discuss the technology behind effective and reliable wireless transmission of control and instrumentation signals.

Some of the topics covered include:

- 1) Background of Spread Spectrum and the FCC
- 2) Unlicensed Radio Technology - Spread Spectrum
- 3) What is Spread Spectrum? (Frequency Hopping vs. Direct Sequence)
- 4) Applications of Direct Sequence and Frequency Hopping (Interference)
- 5) System Planning
- 6) Why Go Wireless?
- 7) Industrial Wireless Solutions

Eddie Lee has more than ten years working experience in the Industrial Controls and Automation industry. Since joining Phoenix Contact in 1998 as an application engineer, Lee has presented technology focused seminars and trainings to numerous consultants, designers and end users throughout the Pacific Northwest. Areas of primary concentration include instrumentation and controls within the process industries. Prior to joining Phoenix Contact, Eddie Lee was employed as a manufacturer's representative specifying industrial enclosures, power supplies, transformers and UPS systems. Lee's first experience in the industry involved working for an Allen-Bradley distributor specializing in international engineering construction projects. During this time, Lee completed training at Allen-Bradley on Industrial Controls and PLC technologies. He is a graduate of Indiana University

The Newsletter does not necessarily express the opinions of the ISA, the Alaska Section, or its Members.



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**2003 - 2004 Officers**

**President: Bill Schneider, P.E.**  
Senior Electrical Engineer  
AMC Engineers  
Phone: (907) 257-9100  
[add@pobox.alaska.net](mailto:add@pobox.alaska.net)



**Secretary: Ernie Dummann**  
du Alaska Incorporated  
Anchorage, AK 99518  
Phone (907) 522-3004  
[www.dualaska.com](http://www.dualaska.com)



Favorite charity [www.mpsociety.org](http://www.mpsociety.org)

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12215 Mt Ash Dr  
Eagle River, AK 99577-7917  
Phone (907) 242-7113

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<b>Jerry Stewart</b>	Program Chairman 277-7555
<b>Lynn Roberts</b>	
<b>Harry Cellos</b>	
<b>Bart Roberts</b>	

## Presidents Message

Well here we are, wrapping up another year. The past year has been tumultuous for our business, and we have seen colleagues come and go, but I am excited that our chapter has done some new and exciting activities this past year, and I know we have lot's of exciting activities planned for next year. I want to thank all the members that participated this year, and a special thanks to those of you who helped make it happen. Next year will even be more fun!

**PS: Don't forget to vote for the officers of our chapter in the coming week.**

Bill Schneider, P.E.  
(907) 257-9100  
[add@pobox.alaska.net](mailto:add@pobox.alaska.net)



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## Special Points of Interest

Continuing Technical Education Classes

Rick Germaine, Election Chairman

Contact: Ralph Cheek

phone: (907) 762-1663

rick.germaine@veco.com

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March 2005 - ISA Trade Show - Anchorage, Alaska

**Committee Volunteers needed**

- Booth Sales
- Show Promotion
- Liaison to other Professional Organizations
- Creative Talent to come up with new ideas on how to make the show better
- Vendor challenge coordinator
- Short Course Program person: Allen Houtz, houtz@gci.net
- Technical Presentation Coordinator
- Directory - Ralph Cheek, ralphcheek@att.net
- Assistant Chairman
- Web Master

Please contact: Walter Viereck, Chairman

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### Technical Articles welcome

1/2 page long, 1 per month

first come first serve and not twice in a row

Get your information to Caroline at  
caroline@pobox.alaska.net (907) 522-3004

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### 2004 Advertising spaces available in Pneuletter

Business card size \$100.00 for the year (size 2" x 3 1/2")

1/2 page add \$300.00 for the year (size 7" x 4 1/2")

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# May 2004

**Sun      Mon      Tue      Wed      Thu      Fri      Sat**

						1
2	3	4	5	6	7	8
Mother's Day  9	10	11	12	13	14	15
16	17	18	19	General Membership meeting 20	21	22
23	24	25	26	27	28	29
30	31 Memorial Day					