



WATER & WASTEWATER INDUSTRIES

Division Newsletter

Summer 2000

Director's Message

By *Dan Capano*

Dear Division Members:

We have many exciting events planned in the near future! It is time to make your plans to attend ISA EXPO/2000 in New Orleans, 21-24 August 2000. There are six themes as part of this year's conference: Safety & Environmental (SAFETY); Productivity & Flexibility (PROD); Networking & Communications (NETWK); Management Issues (MGMT); Automation & Control (AUTO); and Emerging Technologies (EMERG). For each technical session you attend, you will be awarded one PDH.

Be sure to check out EMERG08, "New Analytical Sensors," and EI10, "Industrial Flow Measurement Engineering." You may also want to attend the keynote address, "Recent Advances in Spread Spectrum—The Latest in Wireless Technology," which will be delivered by H. Britton Sanderford, Jr., founder and president of Axonn Corporation.

The detailed technical program, including dates, times, and location, is posted on the ISA web site, www.ISAMarketplace.org, as well as the facility for online conference registration and hotel reservation information.

The Water and Wastewater members have many opportunities to hold leadership positions within the Division and within ISA. Anyone interested in developing talents through service as a volunteer, should contact me at dcapano@netaxis.com. I encourage you to get involved by attending ISA EXPO/2000.

I look forward to seeing you in New Orleans!

Dan Capano
Water and Wastewater Division Director

IN THIS ISSUE:

Director's Message	1
What's New at ISA EXPO/2000?	1
Keynote Address	2
ISA EXPO/2000 Topical Lunches	2
ISA EXPO/2000 Half- and Full-Day Seminars	3
A&T AND I&S AWARDS LUNCHEON	3

*ISA is the international society
for measurement and control®*

Whether your specialty is automation software, distributed process control, sensors, or integrated control systems, ISA EXPO/2000 is your complete source of information.

- See vendor demonstrations featuring the newest products and technologies
- Hear technical presentations on the industry's hottest topics
- Learn from industry speakers discussing plant fieldbus integration, platforms for factory automation, and more
- Hands-on training in more than 30 training courses in areas of automation software, fieldbus, control system safety, and more
- Participate in networking opportunities with companies such as Adaptive Resources, Inc., Honeywell Industrial Automation & Control, and MDT Software

ISA EXPO
2000
21-24 August
Ernest N. Morial Convention Center
New Orleans, LA

Spread Spectrum Leader Delivers Keynote at ISA EXPO/2000

Recent Advances in Spread Spectrum—The Latest in Wireless Technology



Keynote Address—H. Britton Sanderford, Jr.,
founder and president of Axonn Corporation
8:30-9:30 a.m., Monday 21 August
Ernest N. Morial Convention Center

Recent advances in spread spectrum technology have opened the door to an entirely new class of process monitoring architecture that has the potential to bring about significant changes in the rules governing industrial automation. Driven by huge cost savings in installation and logistics, as well as dramatic improvements in the frequency and reliability of field data collection, automation experts and IS professionals are presented with an opportunity to deliver a major, positive impact to their company's bottom line.

Sanderford plans to explore these attributes of spread spectrum technology, which are essential for successful DA systems. They include the total elimination of wires to include power management of sensors, allowing 3–10 years of battery life. Sanderford will also review actual field experience from various wire-free applications, including various liquid level sensors, temperature and vibration sensors and 12 bit analog inputs and outputs.

Sanderford founded Axonn Corporation in 1985. The company filed its first spread spectrum patent in 1986.

Hear from Industry Experts at Topical Lunch Seminars

NEW!

Topical lunches feature exciting discussions in subject areas such as Motion Control, NASA Advances and e-Manufacturing. All ISA EXPO and IMS EXPO attendees are invited to participate in ISA topical lunches. Register online at www.ISAMarketplace.org or call (919) 549-8411.

Monday, 21 August

Motion Control Technology—Market Showdown

Hear noted industry experts discuss state-of-the-art motion control technology and the future of the industry.

Speakers:

Tom Bullock, Industrial Control Consulting, Division of Bull's Eye Marketing Inc.

Ed Ross, Ross Associates, Editor, Ross Guide for the Motion Control Industry

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**MOTION
control**

Tuesday, 22 August

Implementation of Change in E-Manufacturing

Following the luncheon presentation, a forum will be held with Ten North, META Group representative Barry Wilderman, and Honeywell to provide an in-depth overview of e-business considerations from a manufacturing viewpoint.

Speaker:

Hank Rossi, Partner, Andersen Consulting

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**Industrial
computing**

Wednesday, 23 August

NASA Advances in Technologies in Aerospace

The luncheon presentation includes speakers on Earth Science, Space Science, Aeronautical and Human Exploration and Development of Space.

Following the luncheon, various sensors, instruments, communication systems and final elements being developed by NASA will be discussed.

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InTech

Enhance Your Career at Half-Day and Full-Day Seminars


Learn from cost-effective, schedule friendly seminars on today's hottest technology topics. Debuting this year at ISA EXPO/2000, these seminars feature half-and full-day conference sessions on ethernet, enterprise control integration, fieldbus, and more. These seminars give you the opportunity to learn about technologies in several subject areas and still have time to view the exhibit floor. Visit www.ISAMarketplace.org to register.

One-day seminars

- FG20C: Serial Communication Standards
- FG21C: Ethernet and TCP/IP on the Plant Floor
- FG25C: Overview of FOUNDATION™ Fieldbus
- FG30C: Picking the Right Bus—A Comparison of Field & Device Networks
- IC55C: Implementing Enterprise Control Integration
- IC61C: Supply Chain Management in Process Industries

Half-day seminars

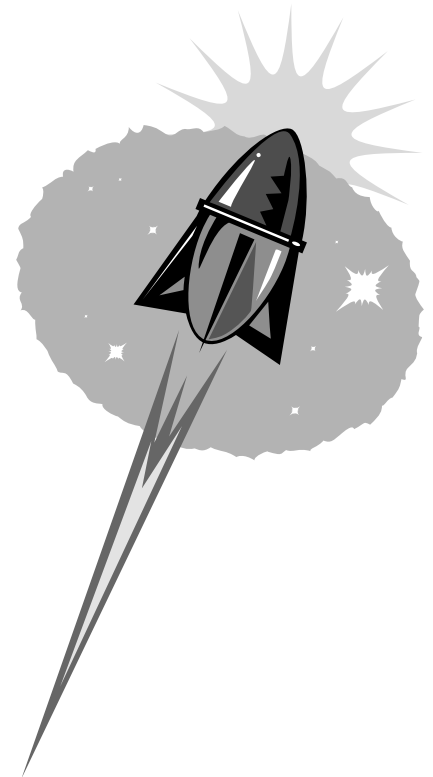
- EC50C: Safety Instrumented Systems: The Must Know for Implementation
- IC45C: PC Based Control: The Future in Process Computing
- IC50C: OPC: the Windows to the World are Open
- IC60C: Manufacturing Execution Systems (MES): Is It right for You?
- MT01C: Enterprise Value Consulting— Developing Automation Project Proposals
- MT02C: E-Commerce in the Process Industry
- TI21C: Electrical Noise: Minimizing the Effects

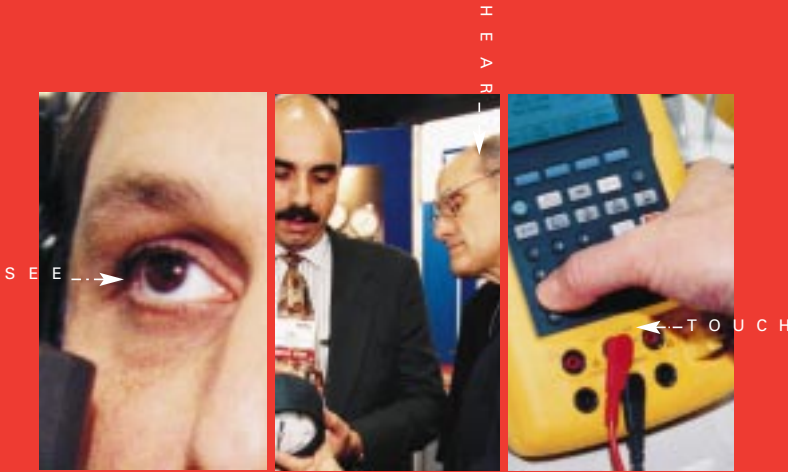
ISA  **EXPO**
2000

A&T and I&S Awards Luncheon

There will be a joint A&T and I&S Department Awards Luncheon on Wednesday 23 August, at 12 p.m. Tickets are \$21 per person and may be purchased using the online registration form at www.ISAMarketplace.org.

Join us in honoring your colleagues. Among the awards being presented from each department are the **2000 Outstanding Division Awards, Most Improved Division, and Communications Award.** Other awards include the **Management Division's Outstanding Section President's Award** and the **Analysis Division's Member of the Year Award.**





A FEAST FOR THE
S E N S E S

ISA EXPO
2000

**21-24 AUGUST,
 NEW ORLEANS, LOUISIANA U.S.A.**

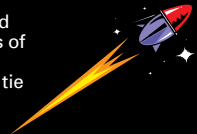
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The best place in the world to launch your career. Nearly 750 exhibitors to meet face-to-face, over 250,000 square feet to explore, and the latest information on the most advanced technologies for you to reach out and interact with.

Register today at
www.ISAMarketplace.org or call (919) 549-8411.



As an added bonus, registered ISA EXPO/2000 attendees can visit the co-located Integrated Manufacturing Solutions Expo floor free. You can see demonstrations of the latest products and services offered in manufacturing technology today, find the solutions you need, and meet face-to-face with suppliers who can help you tie your disparate systems to your integrated layer.



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