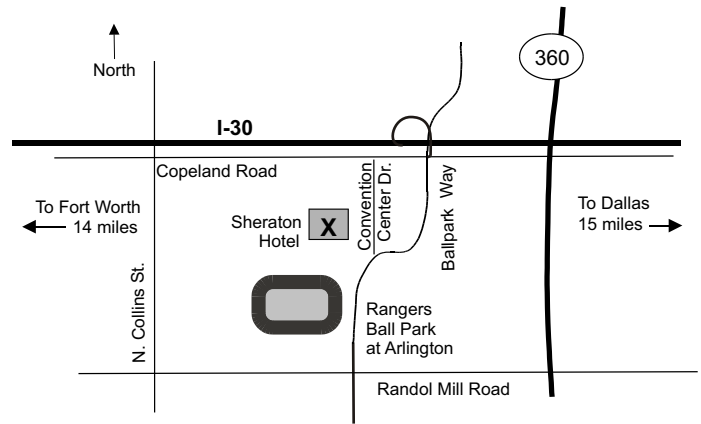




IEEE Fort Worth Section

MetroCon takes place at the Sheraton Arlington Hotel on I-30 in Arlington. The Sheraton is located mid-way between Dallas and Fort Worth, immediately off of I-30 in front of Rangers Ball Park at Arlington. From both Dallas and Fort Worth, take the Ballpark Way exit. DFW Airport is just 8 miles north of the hotel. See map for further directions, or www.Sheraton.com. Free parking is available on the hotel grounds.

MetroCon is an annual technical conference addressing the latest technology developments in the Dallas/Fort Worth Metroplex. The theme of the 22nd annual conference is "Innovating for Society" with a focus on Emerging Technologies, Software and Systems Engineering, and Power Engineering.



See MetroCon website for detailed abstracts, speaker biographies, and on-line registration (<http://www.metrocon.org>)



Emerging Technologies - Software and Systems Engineering - Power Engineering
Wednesday, August 20, 2008 - Brought to you by the IEEE Fort Worth Section



IEEE Fort Worth Section
P.O. Box 171671
Arlington, TX 76003-1671





Keynote speaker: Eric R. Branyan, Lockheed Martin Vice President

The F-35 Lightning II is a showcase for the breadth and depth of advanced technologies required to bring this next generation tactical fighter to reality. From the utilization of a "digital thread" to seamlessly move from design to parts, the integration of previously federated subsystems that provide more "function per pound", the leverage of "lean processes" and moving lines for efficient production, the development of new sensor systems to provide a tactical edge, and the integrated use of simulations for evaluation of system aspects from operational performance to maintenance effort the F-35 leverages the best of our technical professionals and industry. This presentation will provide the context of how technology is being applied to successfully develop an advanced tactical fighter that meets the future needs of the Joint US services and eight international partners.

Certificates will be provided for continuing education credit.

Special for 2008, MetroCon conference participants may attend Nano 2008 Conference presentations Aug. 20. Visit <http://www.ieee.org/NANO2008> for more information.

| Time | Emerging Technologies | Software and Systems Engineering | Power Engineering |
|-------------|--|--|---|
| 8:30-9:30 | Advanced RF Systems Design Consideration for Aircraft Application Kyung K. Kim Lockheed Martin Aeronautics | Battery-Free Wireless Sensors for Space Application Ali Abedi University of Maine | Accelerated Cable Life (ACL) Results with Reduced Insulation Wall Thickness John Smith General Cable |
| 9:45-10:45 | Conceptual Design & Development Challenges Using Advanced Integrated Modeling John J. Sheehan Lockheed Martin Aeronautics | Open Source Software John McGowan Lockheed Martin Aeronautics | Changes to the NFPA 70E for 2009 Ron Widup Shermco |
| 11:00-12:00 | Nanoscale Light Emitters and Hybrid Materials for Optoelectronics Arup Neogi University of North Texas | Broadcast Authentication in Wireless Sensor Networks Donggang Liu University of Texas Arlington | IEC 61850, Communication Networks Jeff Long Siemens |
| 12:00-2:00 | Keynote Luncheon Address: High Performance, Multi-Dimensional Technology for Next Generation Tactical Fighters | | |
| 2:00-3:15 | The Use of Collective Learning for Image Recognition and Segmentation Using the ALISA Engine Antonio Sanchez Texas Christian University | Model-Based Software Development David Nixon Lockheed Martin Aeronautics | Building for the 21st Century Utility Larry Kohrmann Oncor |
| 3:30-4:45 | Printed Electronics Based Upon Ink Jet Technology Donald Hayes MicroFab Technologies, Inc. | Virtual Surgical Planning & Custom Implants Using Direct Digital Manufacturing Nancy Hairston VanDuzen Inc. | Medium Voltage Circuit Breaker Maintenance Mike Moore Shermco |

See <http://www.metrocon.org> for detailed abstracts, speaker biographies, and on-line registration.

Early Registration Deadline: July 31.

Refund Policy: Requests must be received in writing by COB July 31. A withdrawal fee of \$50 will apply. Substitutions are permitted.

Late Registration starts August 1 and is available beginning at 7:00 am the day of the conference.

Email for information on Group Discounts: metrocon20@tx.rr.com. Call (817)935-4059 for additional information.

Seating for late registration may be limited.

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| Fees: | Early | Late |
|---------------------------|--------------------------------|--------------------------------|
| Professional, IEEE Member | <input type="checkbox"/> \$225 | <input type="checkbox"/> \$275 |
| Professional, Non-member | <input type="checkbox"/> \$300 | <input type="checkbox"/> \$350 |
| Students, Retirees | <input type="checkbox"/> \$75 | <input type="checkbox"/> \$75 |