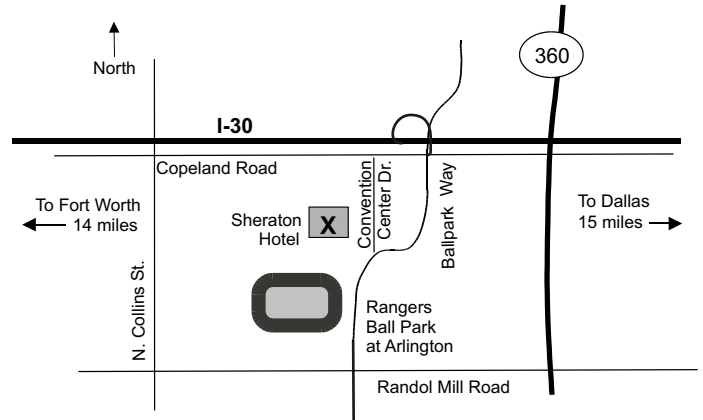




Celebrating 125 Years  
of Engineering the Future

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](http://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, Developing & Deploying Secure Systems, and Biotechnologies,

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

Emerging Technologies - Software and Systems Engineering - Developing & Deploying Secure Systems - Biotechnologies  
Monday, August 17, 2009 - Brought to you by the IEEE Fort Worth Section



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



Celebrating 125 Years  
of Engineering the Future

Patrons:





**Keynote:** Joe Jarzombek, Director for Software Assurance in the National Cyber Security Division (NCSA) of the U.S. Department of Homeland Security (DHS)

With today's global IT software supply chain, project management, quality assurance, and software engineering processes must explicitly address security risks posed by exploitable software. Software assurance processes and practices span development and acquisition and can be used to enhance processes associated with delivering products, systems and services. He explains the critical need for applying the practices, guidelines, and principles used to build security into every phase of software development, acquisition, and operations. He provides overviews of the many free resources that are now available through the DHS software assurance and "Build Security In" websites to assist in managing contracted, outsourcing, and development activities.

*Certificates will be provided for continuing education credit.*

Time	Emerging Technologies	Software and Systems Engineering	Developing & Deploying Secure Systems	Biotechnologies
8:30-9:30	<b>The Digital Horizon- Pushing the "Bits" Closer to the Antennas</b> Thomas L. Frey Lockheed Martin Aeronautics	<b>Applying Lean Production Principles to Software Development</b> James Sutton Lockheed Martin Aeronautics	<b>Application Security: Achilles' Heel of Enterprise Security</b> Suku Nair Southern Methodist University	<b>Trabecular Bone Microdamage</b> Victor Kosmopoulos University of North Texas Health Science Center
9:45-10:45	<b>Making Space for Business</b> Michele Brekke Johnson Space Center	<b>Measuring the Cost of Success in Evolutionary Search</b> Robert J. Marks Baylor University	<b>Layered Assurance and the Use of Open Standards to Build Security In</b> Ben Calloni Lockheed Martin Aeronautics	<b>Vision Science Research at Alcon</b> George Pettit Alcon Research, Ltd.
11:00-12:00	<b>Printed Electronics Based Upon Ink Jet Technology</b> Donald Hayes MicroFab Technologies, Inc.	<b>Model-Based Approach to Integrating Avionics Subsystems</b> Leon Corley Lockheed Martin Aeronautics	<b>Software Assurance Practice at Ford: A Case Study</b> Jeff Inglasbe Ford Motor Company	<b>Islet Isolation Technology and Transplantation for the Treatment of Diabetes</b> Shinichi Matsumoto Baylor Research Institute
12:00-2:00	<b>Keynote Luncheon Address: Joe Jarzombek, Director of Software Assurance, NCSA, DHS</b>			
2:00-3:15	<b>Advanced Commuter Rail System</b> Kirstin Henderson MegaRail Transportation Systems, Inc.	<b>Efficient Visual Search and Learning</b> Kristen Grauman University of Texas at Austin	<b>State of the Practice: Industry</b>	<b>Device-based Therapy for Correcting Heart Motion</b> John C. Criscione Texas A&M University
3:30-4:45	<b>Video Game Development</b> Ian Parberry University of North Texas	<b>The "Simulation Architecture"</b> Barry Evans Lockheed Martin Aeronautics	<b>Building Security In</b> Brian Gorenc Lockheed Martin Aeronautics	<b>The Future of Medical Devices: The Fort Worth Perspective</b> Arvind Nana John Peter Smith Hospital

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

**Early Registration Deadline: August 2nd.**

Refund Policy: Requests must be received in writing by COB August 3rd. A withdrawal fee of \$50 will apply. Substitutions are permitted. Late Registration starts August 3rd 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)988-5660 for additional information.

**Seating for late registration may be limited.**

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Fees:	Early	Late
Professional, IEEE Member	<input type="checkbox"/> \$250	<input type="checkbox"/> \$300
Professional, Non-member	<input type="checkbox"/> \$325	<input type="checkbox"/> \$375
Students, Retirees	<input type="checkbox"/> \$85	<input type="checkbox"/> \$85