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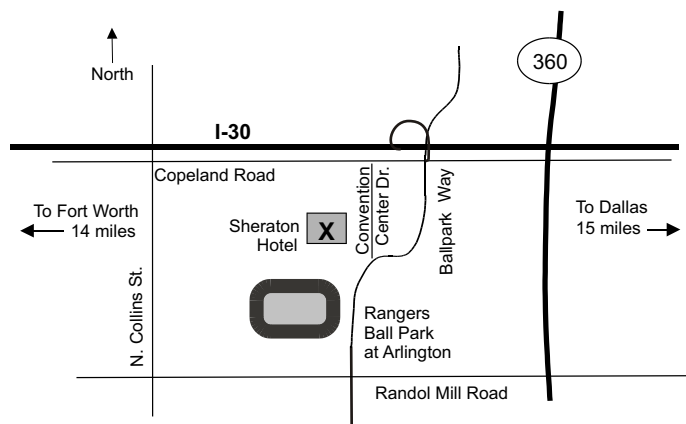
◆ **IEEE**
IEEE Fort Worth Section

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 21st annual conference is "Innovating for Society" with a focus on Emerging Technologies, Biotechnologies, and Power Engineering.

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14 miles

Sheraton Hotel **X**

To Dallas
15 miles →

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Rangers Ball Park at Arlington

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

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Keynote Address:
Visual Analytics
Jim Thomas, Pacific Northwest National Lab

**Emerging Technologies - Biotechnologies - Power Engineering
Wednesday, October 10, 2007 - Brought to you by the IEEE Fort Worth Section**

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IEEE Fort Worth Section
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Wednesday, October 10, 2007
Sheraton Arlington Hotel, Arlington, Texas
(on I-30 next to Rangers Ball Park at Arlington)
Brought to you by IEEE Fort Worth Section

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Aircraft controllers, medical practitioners, battlefield commanders, internet security and terrorism threat analysts are just a few of those bombarded with enormous amounts of data from which they must rapidly draw conclusions and take action. The emerging science of Visual Analytics seeks to meet the need for critical event prediction and detection by harnessing the unique abilities which human beings have to process visual information and combining them with powerful new analytical tools and techniques.

Keynote speaker Jim Thomas has been widely honored for his work, receiving several international science awards and serving on numerous national and international science and technology boards. Director and Fellow, he leads the Department of Homeland Security's National Visualization Analytics Center (NVAC) at Pacific Northwest National Laboratory.

Certificates will be provided for continuing education credit.

Time	Emerging Technologies	Biotechnologies	Power Engineering
8:30-9:30	**Multivariate Parametric Technology Evaluation and Advanced Visualization** Dimitri Mavris, Georgia Tech University	**Peptide Drug Delivery into the Central Nervous System** Laszlo Prokai, UNT Health Science Center Fort Worth	**ERCOT: Nodal Market/Nodal Operation** Kent Saathoff, ERCOT
9:45-10:45	**Facts and Fiction about Developing Reliable Software** Ann Marie Neufelder, SoftRel LLP	**NIH Support of Biotechnology R&D in Visual Science** Jerome Wujek, National Eye Institute (NIH)	**Deploying the EPR in the US Market** Richard W. Bonsall, Areva NP Inc.
11:00-12:00	**Is the Network a Computer? Writing Programs That Run Over the Internet** Jayadev Misra, UT Austin	**Making Sense of Stents** Robert C. Eberhart, UT Southwestern Medical Center at Dallas	**IEC 61850, Communication Networks and Systems in Substations** Drew Baigent, Mark Adamiak, GE Multilin Ralph Mackiewicz, SISCO, Inc.
12:00-2:00	*Keynote Luncheon Address: Visual Analytics, Jim Thomas, Pacific Northwest National Laboratory*		
2:00-3:15	**NanoTech Institute Inventions: Nanotube Yarns, Transparent Metallic Sheets, Fuel Powered Muscles and More** Ray Baughman, UT Dallas	**Remote Control of Cells** Kevin J. Luebke, UT Southwestern Medical Center at Dallas	**Engineering Ethics and Practice Update** Lance Kinney, Texas Board of Professional Engineers
3:30-4:45	**Intelligent Diagnosis and Prognosis of Engineering Systems** Frank Lewis, UT Arlington	**Biomedical Regulation in Human Cells** Paul R. Standley, University of Arizona, College of Medicine	**Wind Generation Capacity Forecasting to Improve the Unit Commitment Scheduling** Wei-Jen Lee, UT Arlington

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

Early Registration Deadline: September 22nd.
Refund Policy: Requests must be received in writing by COB September 22nd. A withdrawal fee of $50 will apply. Substitutions are permitted.
Late Registration starts September 23rd 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)935-4514 for additional information.
Seating for late registration may be limited.

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Fees:	Early	Late
Professional, IEEE Member	☐ $225	☐ $275
Professional, Non-member	☐ $300	☐ $350
Students, Retirees	☐ $75	☐ $75