



ANTENNAS AND
PROPAGATION
SOCIETY,
LASERS AND
ELECTRO-OPTICS
SOCIETY, and
MICROWAVE THEORY
and TECHNIQUES
SOCIETY

Welcomes You to an
Evening Program

DIRECTIVE INFRARED COUNTERMEASURES

Presented by
Dr. Charles Tranchita of
Northrop Grumman

Wednesday, June 14, 1995

ABOUT OUR TOPIC

Due to recent political changes, the defense needs of the world have changed dramatically. The largest threat is evolving from complex and costly fixed weapon systems to simple and cheap man-portable systems.

The heat-seeking or infrared (IR) guided, shoulder-launched missile is becoming increasingly difficult to counter. As the threats have grown more difficult to defeat, infrared countermeasures (IRCM) systems have seen a revolution in technology.

This talk will discuss the evolution of the IR threat, the guidance systems, the sensors, and the signal processing. It will also discuss the increasing complexity in countermeasure systems that has grown from a simple hot flare to a complex, directed-energy system.

ABOUT OUR SPEAKER

Dr. Charles Tranchita is the director of Electro-Optics and Advanced Infrared Technology at Northrop Grumman Corporation. He is the principal author of the new IR Handbook Chapter on Active Countermeasures.

PLACE

Northrop Grumman Corp.
600 Hicks Road
Rolling Meadows, IL

TIME

Social	6:00 PM
Dinner	6:30 PM
Presentation	7:00 PM

NOTES

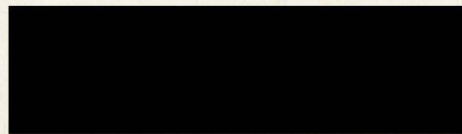
Please arrive between 6:00 to 6:30 PM. You can purchase hot entrees, pizza, and beverages in the cafeteria at 6:00 PM. Also, APS/MTT elections will take place at this meeting.

FOR RESERVATIONS

Please call the IEEE Business Office at (800) 898-IEEE by noon on Monday, June 12, 1995 to make your reservation. You will need to state whether you are a U.S. citizen.

DIRECTIONS

Take I-90 west to Rt. 53 north. Exit 53 onto Euclid Rd. going west. At the first stop light, turn right onto Hicks Rd. Travel north on Hicks past two stop lights. Parking lot is on the right. Use the parking lot entrance near the flag pole at the front of the building. Enter the building at POST 6. Security badges will be provided.



COMPUTER
SOCIETY
and
UniForum
Chicago

Welcomes You
to an
Evening Tour

TOUR OF THE FERMI NATIONAL ACCELERATOR LABORATORY COMPUTER FACILITIES

Tuesday, June 27, 1995

ABOUT OUR TOUR

Fermilab's computing needs have increased dramatically over the past few years due to increasing sophistication of High Energy Physics (HEP) detector systems and analysis techniques.

Fermilab has been meeting these demands through a variety of different computing techniques in an attempt to use the most cost-effective computing resources. New strategies continue to be developed to provide faster processing and accessing of multi-terabyte data samples for scientific studies.

Clustered UNIX batch and interactive systems, as well as distributed computing systems, have replaced the mainframe based computer systems. Various phases of HEP data analysis have moved to systems that handle a range of highly CPU and I/O intensive applications.

ABOUT OUR HOSTS

The knowledgeable staff of Fermilab will guide you on our tour of their Computing Facilities.

PLACE

Fermi National Accelerator Laboratory
Feynman Computing Center
Batavia, IL

TIME

Tour Begins
7:00 PM

FOR RESERVATIONS

Please call the IEEE Business Office at (800) 898-IEEE by Thursday, June 22, to make your reservation. Don't wait! Call now to reserve your spot. This tour will fill-up fast.

DIRECTIONS

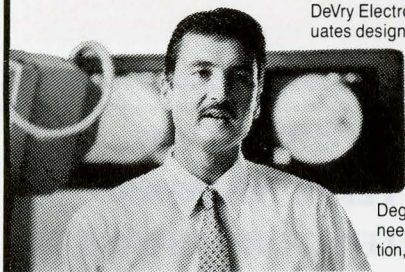
To enter the east entrance of Fermilab, follow Batavia Road, west side of Route 59, right into Fermilab. To enter the west entrance, take Kirk Road to Pine St. and go east. Go to the Feynman Computer Center which is east of the "high-rise" building. If you would like a map, please call the Business Office.

FOR MORE INFORMATION

Contact Joe Feitler at (708) 383-8773.

DeVRY GRADUATES ARE PROBLEM SOLVERS.

"I face a different set of problems each time. With the approach to problem solving I learned at DeVry, I can act quickly and decisively."
Kevin Hippensteel, GE Medical Systems, 1985 DeVry Graduate



DeVry Electronics Bachelor's Degree graduates design, develop and troubleshoot microprocessor hardware and software. They provide skilled technical support and training for sophisticated electronics equipment. They solve tough problems for today's companies. DeVry has the right Bachelor's and Associate Degree graduates for your special needs, right now. For more information, contact our local placement office.

DeVRY

We're serious about success!

U.S. DeVry Institutes are accredited by the North Central Association of Colleges and Schools.
CHICAGO CAMPUS CONTACT: **Myra Starks**
Associate Director of Career Services Center
3300 N. Campbell Ave. • Chicago, IL 60618
(312) 929-7837

DuPAGE CAMPUS CONTACT: **John Petrik**
Dean of Graduate Placement & Student Affairs
1221 N. Swift Road • Addison, IL 60101
(708) 953-1300

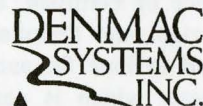
©1993 DeVry, Inc.

LAN/WAN NETWORK ENGINEERS

Denmac Systems, Inc., a fast growing network integration firm specializing in LAN/WAN design, integration and network management is looking to add highly motivated team players to our technical staff. The ideal candidates will have a BS/EE or BS/CS and a minimum 3 years related field and practical experience in:

- Managing medium - large internetworks
- High level troubleshooting utilizing Network Management tools
- Design and Integration using hubs, routers and switches
- LAN/WAN Protocols: IPX, TCP/IP, SNA, PPP, Frame Relay
- Ethernet, Token Ring and FDDI LAN topologies
- High level expertise in Novell NetWare integration required; CNE or related experience a plus.

Denmac offers competitive benefit and compensation programs and a dynamic work environment. For prompt and confidential consideration, please call or send your resume and/or list of accomplishments/experience to:



1945 Techny Road, Unit #4
Northbrook, IL 60062

Phone: 708-291-7760 FAX: 708-291-7763

INDUSTRY
APPLICATIONS
SOCIETY and
INDUSTRIAL
ELECTRONICS
SOCIETY

Welcomes You to a
Chapter Meeting

IAS OFFICER ELECTION

Presented by
IAS Chicago Chapter

Wednesday, June 7, 1995

ABOUT OUR MEETING

Do you know someone who would be interested in advancing the technical knowledge of themselves and others, meeting with top professionals in the industry, and networking with electrical professionals in the Chicago area? Then plan to attend a June 7th meeting for nominations of officers for the Chicago Chapter of the IEEE Industry Applications Society.

PLACE
CTE Engineers
168 N. Clinton
Chicago, IL

TIME
Meeting 5:00 PM

NOTES

The meeting is open to all interested people involved in electrical systems. Snacks will be provided.

FOR MORE INFORMATION

Contact Patrick Murphy at (312) 664-7200 on extension 4440.

CHICAGO SECTION JOB PLACEMENT SERVICE

No. 342 MS Manager with 20 years exp. in test, control, and RF systems, and in software, LANs, WANs, and routers.

The Chicago Section provides a free placement service for its unemployed members of Member Grade or above. If you want additional information about the applicant listed above, contact the Chicago Business Office at 800/898-4333. If the applicant's form is marked confidential, our office will notify the applicant about the prospective employer's inquiry.

To submit your application to our Section's Placement Service, please follow these instructions:

1. Contact the Section Office for an application.
2. Follow the instructions listed on the form.
3. Submit completed form to Robert Schrage at the address found on form.

Chicago Section Executive Committee Meeting
Tuesday, June 13 • 7:15 PM
DeVry • 1221 N. Swift Rd • Addison, IL

SCANFAX (Publication) Number (ISSN 0018-1297), June 1995, Volume 47, Number 10, SCANFAX is published monthly (except July and August) by the Chicago Section Institute of Electrical and Electronics Engineers for the information of its members. Subscription rate for IEEE members collected in dues, \$1.50. Third class postage paid at Glen Ellyn, Illinois. Unless otherwise specified, Chicago Section IEEE neither endorses nor sanctions any positions or actions espoused in SCANFAX. Submit articles to Editor. Articles for September '95 Scanfax due July 27. Articles for October '95 due August 24.

BUSINESS OFFICE
IEEE Chicago Section
2460 Wisconsin Ave.
Downers Grove, IL 60515
800/898-4333
708/964-4333
708/963-2122 FAX

SEND CHANGE OF ADDRESS TO:
Member Services
IEEE Service Center, 445 Hoes Lane
Piscataway, NJ 08854-4150
Include your SCANFAX mailing label if possible or phone direct to 800/678-4333. We cannot forward this information for you, so please do not send it to the local office.

EDITOR
Martin Lake
AT&T Rm. 6W-104
2000 N. Naperville Road
Naperville, IL 60566-7033
708/224-6626
708/979-3423 FAX
m.lake@ieee.org

ADVERTISING
Len Cohen
8117 Parkside Ave.
Morton Grove, IL 60053
708/272-8800 x42692
708/509-6217 FAX

ASSISTANT EDITOR
James Carroll
708/979-8820
j.carroll@ieee.org

ASSOCIATE EDITOR
Joe Feltler 708/383-8773
rojxf131@glen-ellyn.iit.edu

Illinois Institute of Technology IIT

Offers Three Two-Day Clinics Throughout the Summer in Technical Communications and Information Design

Clinic #1 **Technical and Computer Documentation Clinic**
July 7 - 8, 1995
Registration: \$375

Clinic #2 **World Wide Web**
July 21 - 22, 1995
Registration: \$500

Clinic #3 **Proposal Writing Clinic**
August 18 - 19, 1995
Registration: \$375

All clinics will be held in downtown Chicago locations.

For further information, contact
Dr. Susan Feinberg at the Illinois Institute of Technology
Telephone: (312) 567-3471
e-mail: humfeinberg@minna.acc.iit.edu

INDUSTRY
APPLICATIONS
SOCIETY and
INDUSTRIAL
ELECTRONICS
SOCIETY

Welcomes You
to an Informal
Social Gathering

FOOD, DRINKS, AND CONVERSATION

Presented by
IAS Chicago Chapter

Thursday, June 22, 1995

ABOUT OUR GATHERING

Stop by and meet new and old friends at an informal gathering at DRINK Tavern in Chicago. The Industrial Applications Society will be hosting the party and will be available to answer any questions about the IEEE and the IAS. Appetizers and non-alcoholic beverages will be provided free and there will be a cash bar.

PLACE
DRINK
541 West Fulton (near Clinton)
Chicago, IL

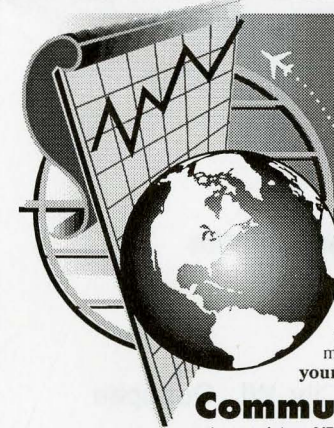
TIME
Social 4:30 to 7:30 PM
Stop by anytime.

NOTES

The social is open to all interested people. No reservations are required. You may come and go at your convenience.

FOR MORE INFORMATION

Contact Patrick Murphy at (312) 664-7200 on extension 4440.



THINKING ABOUT A CHANGE? JOIN THE LEADER! ENGINEERING OPPORTUNITIES

GTE Airfone, the world leader in in-flight telecommunication, has an opportunity for you to play a pivotal role as an engineer as we continue our technology advance. Our dynamic Engineering staff members possess Bachelor's and/or Master's degrees in computer science/engineering, electrical engineering, telecommunications. They're strong team players with superior oral/communication, technical documentation, project management, MS Windows software skills and technical expertise in existing and emerging technologies and products. **We are well-positioned to take your career to new heights! Join us in taking our customers into the 21st century!** Our current Engineering opportunities include:

Communication Software 3-5 years software development, graphic user interfaces, screen design, files structures, C programming, real-time VRTX applications/communication and database development.

Field Services 3-5 years troubleshooting digital equipment—Codex 6500 products, 6250 MUX, 6525 PSN, 3520 DSU, KENTRONIX TSMART, CSU, CUSTOM LBRC. Cell site evaluation—performance trends, equipment layout, lighting protection, grounding, power requirements, etc.

Manager, Radio Systems Your 10+ years of experience in the design and development of RF circuits and systems, and your superior management abilities with hardware and software developers and manufacturers, may qualify you to join our team. A BSEE and MSEE required; MBA preferred.

Network Management Software 5 years experience in object-oriented technologies, T1 transmission, CMIP/CMIS, SNMP, X.25, TCP/IP, LAN/WAN networks, UNIX, C/C++ programming, relational databases.

Radio Frequency Design 7+ years of electrical engineering experience in radio systems, including 4+ years in radio frequency communication, is required for this challenging opportunity. Your solid working experience with Analog Devices 21xx family of DSPs and BSEE degree are key to success. C programming skills and Satellite communications experience are preferred.

Switch Software 5 years experience in object-oriented design, UNIX, C/C++ programming, real-time system design, X.25, TCP/IP, distributed relational databases, digital telephony & switching.

Traffic 5+ years experience in traffic engineering, relational database design, UNIX system administration and C/C++.

Mail or fax your confidential resume and salary history for current or future opportunities to: **Human Resources, Engineering Recruitment Manager, GTE Airfone, 2809 Butterfield Road, Oak Brook, IL 60522. Fax: 708-573-9456.** An equal opportunity/affirmative action employer. We welcome and encourage diversity in our workplace.

GTE Airfone®

Illinois Institute of Technology IIT

Offers Three Two-Day Clinics Throughout the Summer
in Technical Communications and Information Design

Clinic #1 **Technical and Computer
Documentation Clinic**
July 7 - 8, 1995
Registration: \$375

Clinic #2 **World Wide Web**
July 21 - 22, 1995
Registration: \$500

Clinic #3 **Proposal Writing Clinic**
August 18 - 19, 1995
Registration: \$375

All clinics will be held in downtown Chicago locations.

For further information, contact
Dr. Susan Feinberg at the Illinois Institute of Technology
Telephone: (312) 567-3471
e-mail: humfeinberg@minna.acc.iit.edu

INDUSTRY APPLICATIONS SOCIETY and INDUSTRIAL ELECTRONICS SOCIETY

Welcomes You
to an Informal
Social Gathering

FOOD, DRINKS, AND CONVERSATION

Presented by
IAS Chicago Chapter

Thursday, June 22, 1995

ABOUT OUR GATHERING

Stop by and meet new and old friends at an informal gathering at
DRINK Tavern in Chicago. The Industrial Applications Society
will be hosting the party and will be available to answer any
questions about the IEEE and the IAS. Appetizers and non-
alcoholic beverages will be provided free and there will be a
cash bar.

PLACE DRINK

**541 West Fulton (near Clinton)
Chicago, IL**

TIME

Social 4:30 to 7:30 PM
Stop by anytime.

NOTES

The social is open to all interested people. No reservations are
required. You may come and go at your convenience.

FOR MORE INFORMATION

Contact Patrick Murphy at (312) 664-7200 on extension 4440.

IEEE Chicago Section thanks the following companies for their generosity in supporting the 1995 Chicago Recognition Dinner

Advance Transformer Co.
Allen-Bradley Co.
Andrew Corporation
AT&T Bell Laboratories
Bycap, Inc.
Cherry Electrical Products
Commonwealth Edison
Contemporary Controls Sys.
DeVry Institute of Technology
Elite Electronic Engineering
Fluor-Daniel
Isotemp Research
Masushita-Television
Methode Electronics
Motorola
Newark Electronics
Northrop Grumman Corp.
Northwestern University
S. & C. Electric Co.
Sargent and Lundy Engineers
Storm Products
Tellabs, Inc.



THINKING ABOUT A CHANGE? JOIN THE LEADER! ENGINEERING OPPORTUNITIES

GTE Airfone, the world leader in in-flight telecommunication, has an opportunity for you to play a pivotal role as an engineer as we continue our
technology advance. Our dynamic Engineering staff members possess Bachelor's and/or Master's degrees in computer science/engineering, elec-
trical engineering, telecommunications. They're strong team players with superior oral/communication, technical documentation, project manage-
ment, MS Windows software skills and technical expertise in existing and emerging technologies and products. **We are well-positioned to take
your career to new heights! Join us in taking our customers into the 21st century!** Our current Engineering opportunities include:

Communication Software 3-5 years software development, graphic user interfaces, screen design, files structures, C program-
ming, real-time VRTX applications/communication and database development.

Field Services 3-5 years troubleshooting digital equipment—Codex 6500 products, 6250 MUX, 6525 PSN, 3520 DSU, KENTRONIX TSMART, CSU, CUSTOM LBRC. Cell
site evaluation—performance trends, equipment layout, lighting protection, grounding, power requirements, etc.

Manager, Radio Systems Your 10+ years of experience in the design and development of RF circuits and systems, and your superior manage-
ment abilities with hardware and software developers and manufacturers, may qualify you to join our team. A BSEE and MSEE required; MBA preferred.

Network Management Software 5 years experience in object-oriented technologies, T1 transmission, CMIP/CMIS, SNMP, X.25, TCP/
IP, LAN/WAN networks, UNIX, C/C++ programming, relational databases.

Radio Frequency Design 7+ years of electrical engineering experience in radio systems, including 4+ years in radio frequency communication, is
required for this challenging opportunity. Your solid working experience with Analog Devices 21xx family of DSPs and BSEE degree are key to success. C programming skills and Satellite
communications experience are preferred.

Switch Software 5 years experience in object-oriented design, UNIX, C/C++ programming, real-time system design, X.25, TCP/IP, distributed relational
databases, digital telephony & switching.

Traffic 5+ years experience in traffic engineering, relational database design, UNIX system administration and C/C++.

Mail or fax your confidential resume and salary history for current or future opportunities to: **Human Resources, Engineer-
ing Recruitment Manager, GTE Airfone, 2809 Butterfield Road, Oak Brook, IL 60522. Fax: 708-573-9456.** An
equal opportunity/affirmative action employer. We welcome and encourage diversity in our workplace.

GTE Airfone®

IEEE Chicago Section Welcomes Our New Members

Jan Achenbach	Christine Abbott	Mansour Ahmadshahi	James Abernathy
Connie Baker	Doug Bailey	Boris Baldin	Terry Banks
Nick Bellavia	Brooks Benson	Jennifer Beswetherick	Jorn Berendt
John Berendt	William Berger	Kristin Bindon	David Beto
Ronald Borgstahl	James Brandner	Jim Bochonok	Edward Brunell
Peter Burke	Maria Cahadas	Joanne Carroll	Clifford Chally
Frank Chambers	Wei-Pang Chin	Catherine Chang	Shekhar Chandra
Guy Clark	Eric Collins	Tony Coleman	Joseph Cook
Robert Corke	Anthony D'Amico	Brian Dargon	Joseph Cygan
Po-Hong Cheng	Donald Dement	John Dwonch	Edward Duran
Richard Einecker	Bud Eble	Craig Fillion	Phillip Field
Edward French	Donald Forsyth	Gary Frigo	Victor Frank
Biao Fu	Sanjeev Garg	Bruce Gold	Eloy Gomez
Peng Gong	Jonathan Gottlieb	Mohammad Haghighat	Thomas Grisham
Robert Hammond	Steven Heise	Robert Havey	Don Hersey
William Hoffman	Armin Herabit	Donald Hintgen	Thomas Holleman
Robert Hood	Nelson Hung	S N Jha	Cheryl Johnson
Alexander Kao	Miriam Keeton	Constance Kelly	David Kim
Erick Knox	Christopher Kulig	K C Kwok	Eva Labowicz
Brent Lareau	Edward Landell	John Leicht	Lam Le
John Lazicki	Wu-Hon Leung	Neil Longson	Jie Liu
Steve Lute	Raymond Matyka	Amy Meganathan	Guzvaldo Medina
Donald Mills	Roberet Morton	Jeffrey Moy	Thomas Muscarello
Michael Murdock	Christopher Nippert	Stan Oketani	Clifford Orlofsky
Scott Ottenberg	Frank Owen	Ronald Pataska	Michael Papka
Paresh Patel	Donald Pennington	Willias Plantz	William Pruett
Kelly Pyles	Jack Prawicka	Charles Ranft	M Ressler
Zia Ur Rehman	Mike Robie	David Sachs	Matthew Sampson
Charles Rush	Kenneth Scholer	Randall Sealy	Andy Schultz
Alkesh Shah	Anila Sejal	Marlin Siemons	S Shucker
Joseph Slone	Peter Smith	David Steel	Kanji Tamamushi
Melanie Thompson	Juan Teran	Dave Torri	James Thompson
Thomas Tschanz	T Ulinski	Telesforo Umali	Jason Tran
Kai Trepte	David Utt	Hector Valtierra	Philip Varghese
Mark Wadzyk	Donald Waldoch	Alan Walse	John Welk
Matthew Wicks	Douglas Williams	D Wilson	Charles Witschorik
Xin Wu	Anthony Zagone	Nick Yohanna	Jianping Zhang
Michael Zeug			

Rediscovering the Lost Art of Selling

Business-to-business companies need qualified sales professionals to sell their complex products and services. These companies also recognize that all of their employees—scientists, engineers, technical service personnel, product designers—must learn how to become more skillful in working with their customers.

Rediscover the lost art of selling by enrolling in this Certificate Program in Professional Selling to Business and Industry. Now in its second year, this 4-course program will teach you how to identify and match product benefits with customer needs, how to improve your communication and presentation skills, how to deal with customer problems, how and when to use the variety of selling methods available, how empathy, rapport and understanding influence the company-customer relationship, the best ways to make sales calls and contacts with the customer—all the information, tools and skills needed to sell products or services, your company, and yourself.

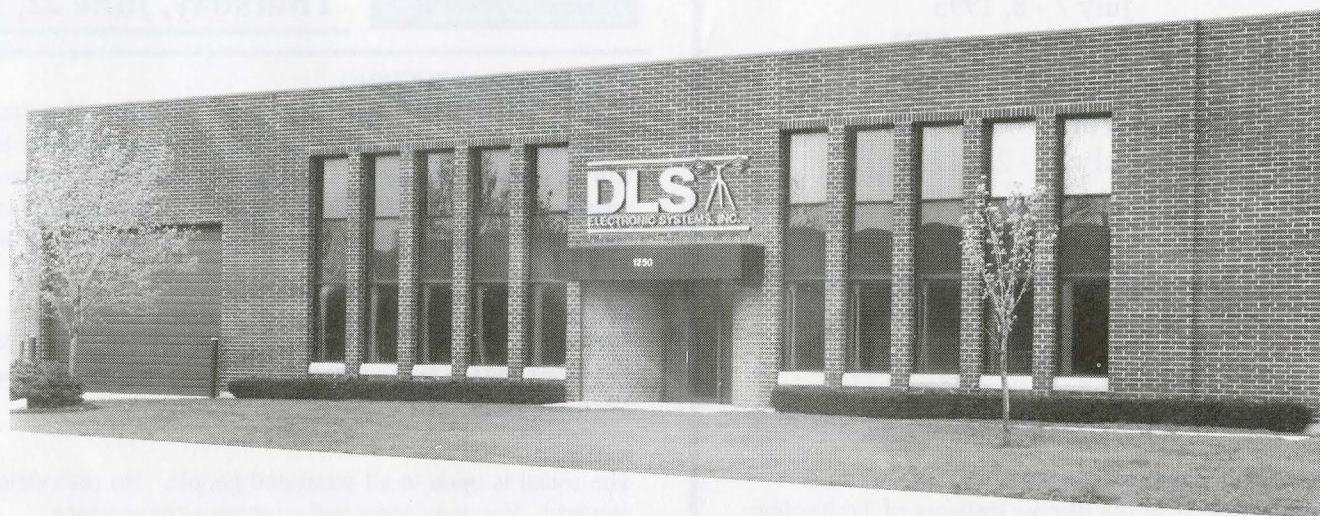
- Developed by sales professionals and expert teachers using hands-on, interactive teaching and learning methods
- Four-course program, which can be completed in two semesters
- Courses offered on week nights
- Earn credit towards an MBA at the Stuart School of Business of IIT
- Offered at IIT's Downtown Center and the Rice Campus in Wheaton

Classes begin the week of August 28. Call or write for a brochure and more information.

Stuart School of Business
IIT's Downtown Center
565 West Adams Street
Chicago, IL 60661-3691
312/906-6516

IIT's Daniel F. and
Ada L. Rice Campus
201 East Loop Road
Wheaton, IL 60187
708/682-6008

You asked us to meet your increasing EMC needs. We now have 7 EMC labs in the Chicago area.



D.L.S.'s new Chicago area EMC test facility opens July 1, 1995 in Wheeling, IL

We did it just for you in order to meet the tremendous demand for FCC and European testing. D.L.S. will begin operation on July 1, 1995 in its new 16,000 ft.² EMC test facility. This new facility contains the following:

- 2 FCC/CISPR prescan semi-anechoic chambers**
- 2 IEC 801-2 & 4 test rooms**
- 2 IEC 801-3 test rooms**
(Our new 24 ft. x 35 ft. semi-anechoic room with capabilities of more than 20 V/m @ 3 meters allows testing of very large systems.)
- 1 IEC 801-5, 6, 8, 11, 555-2 & 3 test room**

These are in addition to our 2 open field sites for FCC & CISPR testing in Genoa City, WI. Our open field site has one of the world's largest commercially available turntables.

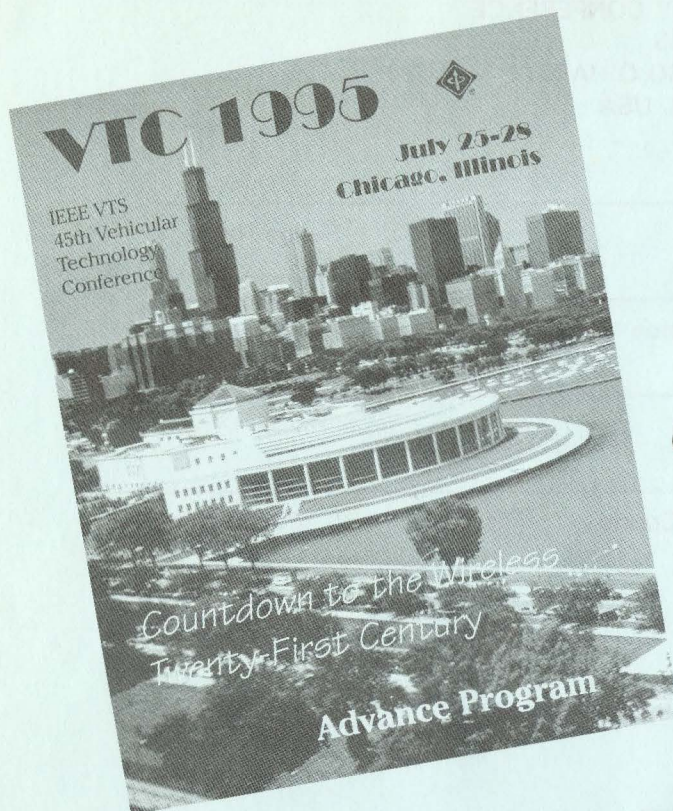
Plus we have experts to test and solve your EMC problems at both locations for:

CE, CISPR, IEC, EN, VCCI, FCC, DOC, MIL, FDA, MDS testing.



**CALL D.L.S. TODAY 708-699-9060 Until July 1st
708-537-6400 After July 1st**

1250 Peterson Drive, Wheeling, IL 60090 • 708-537-6400



IEEE VTS

45th

Vehicular Technology Conference

Countdown to the Wireless Twenty-First Century

July 26-28, 1995

Hyatt Regency Chicago O'Hare
9300 West Bryn Mawr Avenue
Rosemont, Illinois

Cellular radiotelephone systems worldwide have provided a rapidly growing and useful service for over a decade and continue to evolve with a greater variety of service offerings, digital implementations and capacity potentials. Personal Communication Systems (PCS) will offer ubiquitous communication capabilities. Fired by the allocation of new spectrum for these services in the United States, the *Countdown to the Wireless 21st Century* has begun!

Vehicular Technology Conference Session Schedule

Wednesday, July 26	Thursday, July 27	Friday, July 28
8:00 a.m. - 11:30 a.m. Communication Theory Adaptive Antennas Channel Processing Technologies Multiple Access Technology I Personal Communication Systems - I System Arch. and Network Management	8:00 a.m. - 11:30 a.m. Equalization and Diversity In-Building System Performance Joint Detection For CDMA RF Hardware Technology Digital Radio System Performance Radio Resource Allocation	8:00 a.m. - 11:30 a.m. Digital Modulation - Orthog. FDM Antenna Technology Mobility Management IS-95 and Derivative System Technology Systems Performance Future Systems - II
11:45 a.m. - 1:15 a.m. <i>Luncheon with Keynote Speaker</i>	11:45 a.m. - 1:15 a.m. <i>Luncheon with Keynote Speaker</i>	<i>Adjourn</i>
1:30 p.m. - 5:00 p.m. Modulation Theory and Technology Propagation Modeling DS-CDMA Code Acquisition Multiple Access Technology - II Digital Radio Systems System Performance	1:30 p.m. - 5:00 p.m. Channel Coding Detection Theory and Technology DS-CDMA Receiver Technology Speech and Signal Processing Personal Communication Systems - II Future Systems - I	For more information: Call the Chicago IEEE Business Office at (800) 898-IEEE to receive a program. Conference information available on internet at http://www.ieee.org/comsec/confs.html/

REGISTRATION FORM ON BACK

ADVANCE REGISTRATION FORM

IEEE VEHICULAR TECHNOLOGY SOCIETY
1995 VEHICULAR TECHNOLOGY CONFERENCE
JULY 26-28, 1995
HYATT REGENCY CHICAGO O'HARE
ROSEMONT, ILLINOIS, USA

Last Name First Name Badge Name

Title Company/Organization

Mailing Address

City State/Province Country Postal Code

Phone No. FAX No. Email

Companion Attending? ☐ Yes ☐ No Companion Name (for badge) _____

REGISTRATION FEES (U.S. Dollars)

Registration includes reception, two lunches, and a Conference Proceedings.

Registration Fees:	Prior to 6/26/95	After 6/26/95	Fee
☐ Author* ☐ Session Chair ☐ Both	☐ \$350	☐ \$400	
IEEE Member (# and Grade) _____	☐ \$350	☐ \$400	\$ _____
IEEE Non Member	☐ \$450	☐ \$500	\$ _____
Student/Life Member	☐ \$50	☐ \$50	\$ _____
Extra Luncheon Ticket Wednesday	☐ \$20	☐ \$25	\$ _____
Extra Luncheon Ticket Thursday	☐ \$20	☐ \$25	\$ _____
BANQUET - Thursday	☐ \$35	☐ \$40	\$ _____
Chicago City Tour	☐ \$25	☐ \$30	\$ _____
Museum Tour I	☐ \$35	☐ \$40	\$ _____
Museum Tour II	☐ \$35	☐ \$40	\$ _____
Luncheon Cruise/Shopping Tour	☐ \$45	☐ \$50	\$ _____
Extra Conference Proceedings: Members	☐ \$60	☐ \$60	\$ _____
Conference Proceedings: Non-Members	☐ \$90	☐ \$90	\$ _____

TOTAL PAYMENT (must be in USD) \$ _____

METHOD OF PAYMENT
☐ Check ☐ VISA ☐ Mastercard ☐ American Express ☐ Diners

Card Number _____ Exp. Date _____

Authorized Signature _____

Please make checks payable to: IEEE/ VTC (U.S. Dollars)

Please complete the form and mail it with your payment to:

IEEE/VTC'95
IEEE Conference Services Registrar
445 Hoes Lane, PO Box 1331
Piscataway, NJ 08855-1331 USA
Phone: 908-562-3870 Fax: 908-981-1769

Refund policy for advance registration: There will be a \$50 service charge for processing refunds. A letter requesting the refund must state the registrant's name and to whom the refund should be made payable to. NO REFUNDS WILL BE ISSUED AFTER JULY 16, 1995.