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TIME SENSITIVE MATERIAL

CALENDAR OF EVENTS

For reservations please call IEEE Office at (312) 236-4333 before the stated deadline
The meeting details are stated in their relevant announcements inside

January 11 Tuesday	Chicago Section	Executive Committee	DeVry-DuPage 1221 N. Swift Rd. Addison, Il.	Food Service: optional Meeting: 7:15 PM
January 12 Wednesday	Power Engineering Society	Independent Power Producers - Project Development	Chicago Bar Association 321 S. Plymouth Court Chicago, Il.	Social: 11:30 AM Lunch: noon Meeting: 12:30 PM
January 12 Wednesday	Communications/Computer Societies/Fox Valley Subsection	The Advance Project	Sharko's Restaurant 2225 Ogden Ave. Lisle, Il.	Social: 6:00 PM Dinner: 7:00 PM Meeting: 8:00 PM
January 20 Thursday	Power Electronics/ IA/IE Societies	Electronics into Power Distribution	Como Inn 546 N. Milwaukee Ave. Chicago, Il.	Social: 5:30 PM Dinner: 6:15 PM Meeting: 7:15 PM
January 26 Wednesday	Fox Valley Subsection/Power Engineering/ Vehicular Societies	Electric Vehicle: Total Energy Cycle Assessment	Jerry Sharko's 2225 Ogden Ave. Lisle, Il.	Social: 6:00 PM Dinner: 7:00 PM Meeting: 8:00 PM
January 26 Wednesday	Computer Society	The C+@ Programming Language and Environment	AT&T Bell Laboratories 263 Shuman Blvd. Naperville, Il.	Social: 6:30 PM Meeting: 7:30 PM
February 8 Tuesday	Chicago Section	Executive Committee	DeVry-DuPage 1221 N. Swift Rd. Addison, Il.	Food Service: optional Meeting: 7:15 PM

Meeting of the IEEE Computer Society (Chicago Chapter)

DATE: January 26, 1994
GUEST SPEAKER: Dr. James Vandendorpe, AT&T Bell Laboratories
TOPIC: The C+@ Programming Language and Environment
PLACE: AT&T Bell Laboratories; Indian Hill Park room 1U-111
263 Shuman Blvd. [1 block North of Diehl Rd; 1 block East of Mill Street]
Naperville, Il 60566
TIME/COST: Social: 6:30 PM (Doughnuts and coffee courtesy of AT&T Bell Laboratories)
Presentation 7:30 PM (Free)
FURTHER INQUIRES: Call (312) 236-4333

ABOUT THE TOPIC: C+@, pronounced "cat", is an object-oriented programming language that uniformly represents all data with a single run-time abstraction: pointers to self described objects. Because of this abstraction, the C+@ language is both less complex and more powerful than is the C language from which it is derived.

The talk overviews the C+@ language; its use of data-representation independence to enhance code reuse; its implementation of multiple, delegated inheritance; its concept of "default" methods; its library of reusable parts; its GUI tools; its notion of incremental compile-load-and-go; and its real-time garbage collector.

ABOUT THE SPEAKER: Jim Vandendorpe earned a BS degree in 1968, MS degrees in 1971 and 1973, and a PhD degree in 1980. Since 1981 he has been a member of the technical staff at AT&T Bell Laboratories. For the last nine years his work has focused on object oriented programming. He has patents in distributed fault recovery and real-time garbage collection. Jim is one of the original C+@ language designers.



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ISSUE	COPY DUE	MAILED ON
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MAR	JAN 26	FEB 15
APR	FEB 25	MAR 15
MAY	MAR 25	APR 15
JUNE	APR 28	MAY 15

THESE ARE FIRM DEADLINES FOR ADS AND COPY!!!

Joint January Meeting Power Electronics with IA/IE Societies

DINNER MEETING THURSDAY, JANUARY 20, 1994

Topic: Electronics into power distribution Speaker: Charles J. Nochumson, P.E.

Abstract: Integration of electronics into power distribution and control equipment is now available to perform protection, monitoring and control functions. With the new generation of microprocessor based low voltage and medium voltage trip units, microprocessor based relays, and microprocessor based motor starters, communications over a single twisted pair of wires to a master personal computer or a programmable logic controller (PLC) is possible. This offers industrial and commercial users an inexpensive means to obtain "change of event data" and "trend data" to schedule appropriate maintenance, and provide better allocation of power costs. It also offers the ability to respond to electrical distribution system disturbances or problems before a shut down occurs. If a shut down does occur, data is provided to quickly pin-point the cause and minimize down time. In addition, the ability is provided to inexpensively control devices, such as breakers and motor starters, in response to process or HVAC control systems.

Location: Como Inn, 546 N. Milwaukee Ave., Chicago, IL 60622

Dinner is \$20.00 per person. Advance registration should be made by calling IEEE Office at 312-236-IEEE before January 17, 1994.

Entree: Breast of Chicken or Pasta
(Includes: soup, salad, rolls, coffee and dessert)

Cocktails : 5:30 P.M.
Dinner : 6:15 P.M.
Meeting : 7:15 P.M.

POWER ENGINEERING SOCIETY

SPEAKER: Mr. James Shield
Vice President-Engineering and Project Management
Polsky Energy Corporation

TOPIC: Independent Power Producers - Project Development

ABSTRACT: Independent power project development involves the assembly of the required components to support the operation of a project. A project is a self supporting business of energy generation and sales. The assembly of the required components (contracts, permits, financing) usually can take several years before a project is fully implemented and construction begins. Many projects fail if a single component is missing or not properly integrated. This talk will provide an overview of the required components and the proper integration of these components for a successful project.

BACKGROUND: Mr. Shield has been with Polsky Energy for the past 2 1/2 years working on the development of independent power and cogeneration projects. He has experience with wood, natural gas and coal fired facilities and has been involved with power generation for the last ten years. He holds a BSME from the University of Michigan and an MBA from Depaul University. He is a Professional Engineer in the State of Illinois.

PLACE: Chicago Bar Association
321 S. Plymouth Court
(near Jackson and Dearborn)
Purchase lunch tickets in lobby (\$7.50)

DATE: January 12, 1994

TIME: 11:30 Social 12:00 Lunch 12:30 Presentation

Reservation must be made by noon, Monday, January 10, 1994 by calling 312-236-4333. Please leave name(s) and company name.

REMINDER

See December Scanfax for details

COMMUNICATION SOCIETY

Joint with
The Computer Society, and The IEEE FOX Valley Subsection

The ADVANCE Project
Presented by Dr. Peter C. Nelson

DATE: Wednesday, January 12, 1994

PLACE: Sharko's Restaurant,
2225 Ogden Avenue, Lisle, IL

RESERVATIONS: Please call (312) 236-4333
to make dinner reservations no later than
Monday, January 10, 1994

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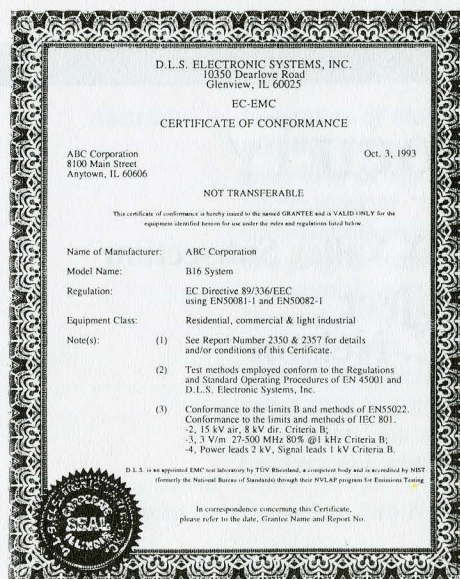
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3. Meet the immunity requirements of EN55082-1 or the specific Product Standard for your device.
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The Power Engineering Society of IEEE presents



1994 IEEE/PES Transmission and Distribution Conference and Exposition

⇒ April 10 - 15, 1994 ⇐

McCormick Place - Chicago, Illinois

For registration information
call 1-800-PES-IEEE (1-800-737-4333).

Look in future editions of SCANFAX for more details.

VOLUNTEERS NEEDED!

Here's your chance to get involved in the premier event of the electric power industry right here in Chicago!

Help us to make the 1994 T&D Expo a success, and you'll also be given part of the day free to see the show for yourself.

We need approximately 100 volunteers per day during the week of the conference (April 10 -15, 1994). Assignments range from staffing ticket booths to monitoring the technical session meeting rooms.

If you can volunteer for 1 or more days, please contact Dale LaGessee at 708-786-7187.

What A Difference A Day Would Make...

The University of Illinois at Chicago (UIC) IEEE student branch in cooperation with UIC Career Services has initiated a program called, Engineer For A Day.

The purpose of this program is to provide students with a one-day informational interview and networking session with a professional engineer who is working in the student's field of interest (i.e. communications or power transmission).

Participation in this program will give students an opportunity to understand job requirements from the inside and will provide them with essential information that will help them better prepare and develop skills necessary to obtain a job in the field of their choice.

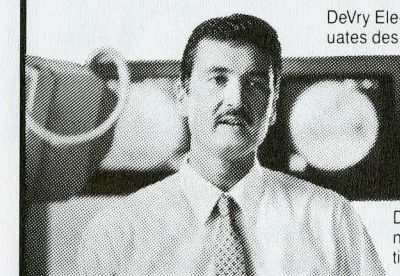
We are searching for Electrical Engineers to help make this program a success.

For more information, please contact:
UIC IEEE Office: (312) 996 2527
Paul Echavez: (708) 982 0818
UIC IEEE Vice Chair

...thank you...

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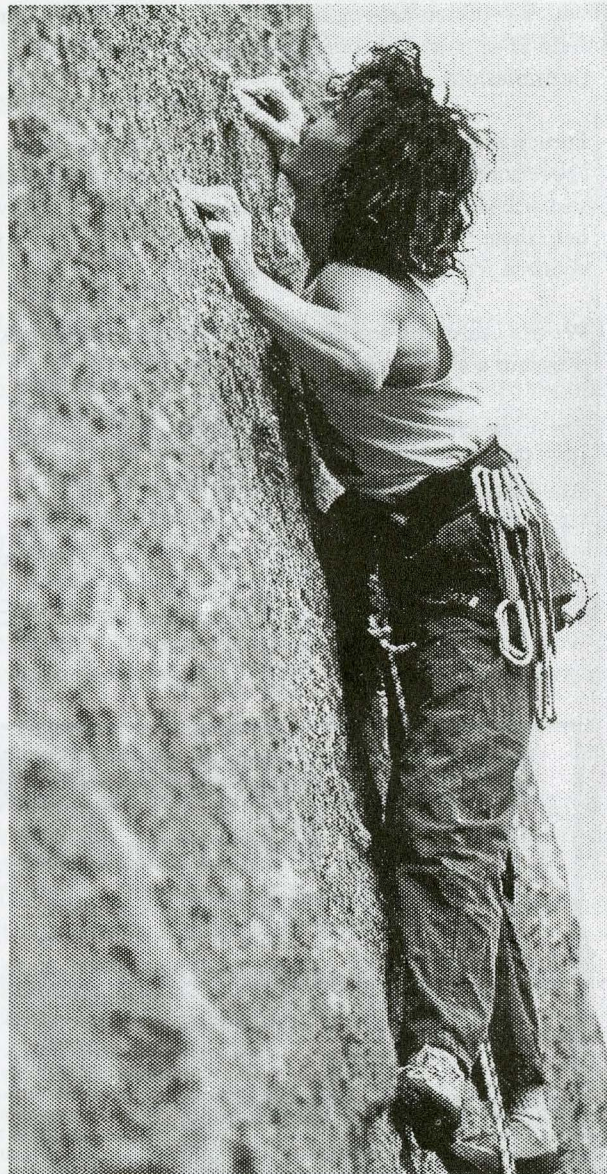
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Hardware Engineers

Very Senior Digital Designer with consumer electronics/volume production experience; preferably familiar with DSP's and RF; has directed others; 12 years of experience. Respond to dept. VSDD/B.

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Sr. Software Engineer

Needed to lead a software team in design and implementation of real time embedded firmware for communication product, and to work on architectural and system design of data communication products. An in-depth knowledge of embedded real time software/firmware, C, and communication products necessary. T1 familiarity preferred. Requires 5 or more years experience and a BSCS/BSCE/BSEE, MS a plus. Respond to dept. SSE/B.

Software Engineer

This individual will implement real time software for data and voice communication products. Must be fluent in C and have 2 years experience using microprocessor and assembly language. A BSCS/BSCE/BSEE required. Respond to dept. SWE/B.

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10th International Conference on Advanced Science and Technology

ICAST 94

Conference Theme: Entering the 21st Century - Multimedia Information Systems

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Vehicular Technology

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MACPAC

(in formation)

CALL FOR PAPERS

The 10th International Conference on Advanced Science and Technology (ICAST) will be held in the Indian Hill Main facility of AT&T Bell Laboratories in Naperville, Illinois, on March 26, 1994.

The purpose of this conference is to promote information exchange between academia and industry, faculty, practitioners and students. It provides an excellent forum for professionals in different but highly related discipline areas to get together to share with and learn from each other. It is ideal for high quality papers to be presented in the lowest possible cost in a very compact and productive technical program. All papers will be peer reviewed through a rigorous paper review process. Preprint proceedings will be published and available at the conference site. This conference encompasses the technical aspects of both computer and telecommunications technologies including:

Computer Technology:

- Multimedia Technologies
- Object-oriented Technologies
- Software Process
- Next Generation CASE
- Highly Dependable Systems
- Software Reuse/Domain Analysis
- Virtual Reality and Real Virtuality
- Parallel and Distributed Systems
- Human Interfaces

Telecommunications Technology:

- Communication Software Methodology and Tools
- Telecommunication Devices
- Switching System Architecture
- Transmission Technology(STM/Narrowband, ATM/Broadband and Fiber Optics)
- Wireless Communication and PCS
- Multimedia in Enterprise Communication Networks
- Intelligent Network

INFORMATION FOR AUTHORS

Authors are requested to submit six copies (in English) of their double-space typed manuscript (maximum of 20 pages) with an abstract to either Dr. T. L. Wang for regular papers, or Mr. Chikwang (David) Chao for student papers, by January 14, 1994. The conference language is English and final papers are restricted to eight IEEE model pages. A submission letter that indicates which of the conference areas is most relevant to your paper must accompany the paper. In case of multiple authors, an indication of which author is responsible for correspondence and preparing the camera-ready paper for the proceedings should also be included. Authors will be notified of acceptance by January 28, 1994 and will be given instructions at that time for final preparation of their papers, which will be due in camera-ready form by February 18, 1994. Outstanding papers (including student papers) will be nominated by PC members for the Best Paper Awards. Student papers will be reviewed and judged by the Student Program Committee.

Submit regular papers to:

Dr. Tse L. (Jack) Wang
AT&T Bell Laboratories
IHP 1U-102
200 Park Plaza
Naperville, IL 60566
Tel: (708) 713-4004
Fax: (708) 713-5398
E-mail: tlw@iexist.att.com

Submit student papers to:

Mr. Chikwang (David) Chao
Dept. of EECS
M/C 154
University of Illinois at Chicago
851 South Morgan Street
Chicago, IL 60607
Tel: (312) 996-6495
E-mail: chao@eecs.uic.edu

SUPPLEMENTARY INFORMATION

Dr. John S. Mayo, President of Bell Laboratories, will deliver a keynote speech to the conference. Dr. Shih-Chien Yang, Vice Minister of the Ministry of Economics Affairs, Republic of China, will also deliver a keynote speech. Two parallel symposiums, one on Medical and Pharmaceutical Sciences and the other on the Modern Science and Engineering, are currently being planned. Featured speakers will be invited to make presentations. Workshop on job interviews and search techniques, and possibly a job fair will be held in conjunction with the conference.

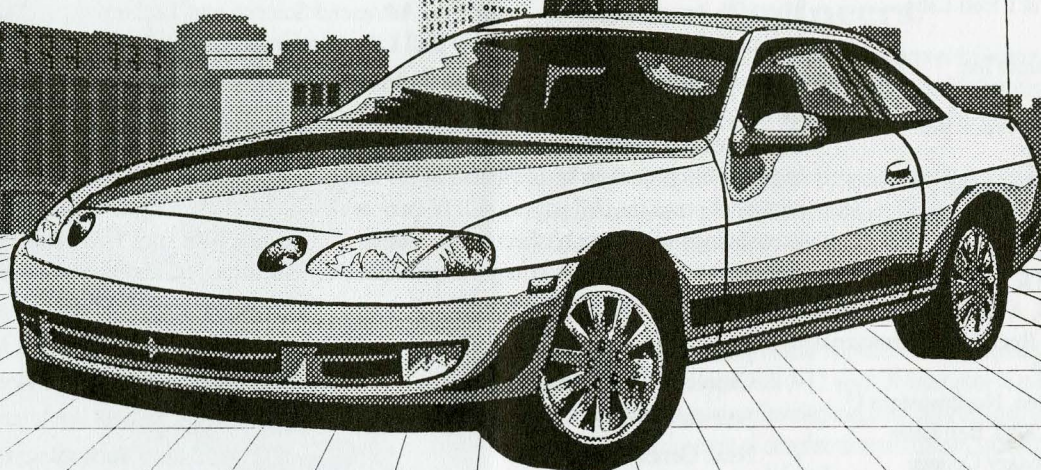


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Vehicular Technology Society



ELECTRIC VEHICLE TOTAL ENERGY CYCLE ASSESSMENT *Is the Electric Vehicle as Clean as We Think?*

Presented by Dr. Dan Santini of Argonne National Laboratory

Wednesday, January 26, 1994

Dr. Dan Santini will discuss the ongoing Department of Energy study of the environmental impact of energy systems required for the Electric Vehicle.

How do we compare the emissions generated from the internal combustion engine versus those generated from the power required to charge an Electric Vehicle?

This equation consists of many variables including climate, energy sources, transportation patterns, and environmental regulations. Questions regarding battery recycling and disposal will also be addressed. All of these issues must be resolved before the auto industry and the public are convinced that Electric Vehicles are in our best interest.

6:00 PM

Social Hour

7:00 PM

Dinner / \$15.00*

Family Style Dinner which includes
Garden Salad, Roast Beef, Chicken, Pasta,
Dinner Rolls, Coffee, and Dessert

Dietary and Vegetarian Meals can be requested
at the time of making your reservation

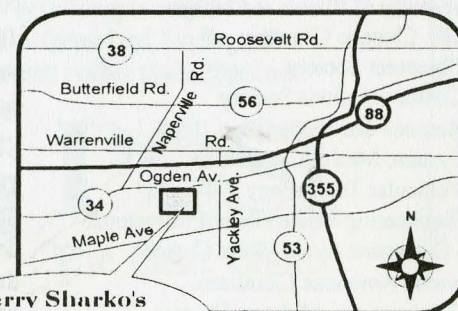
* Includes Complimentary Cocktails 6:30 to 7:00 PM

8:00 PM

Presentation / Free

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