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MAY, 1997

Institute of Electrical & Electronics Engineers

Chicago Section Newsletter

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19th Annual International Conference
October 30 to November 2

Chicago Section Election

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Chicago Section Business Meeting-All Welcome

Tuesday May 13 • 7:15 PM

DeVry DuPage Campus • 1221 N. Swift Road • Addison, IL

Visit the Chicago Section Home Page at <http://ieeefnal.gov>

Chicago Section News

The 1997 ballot for section officers is printed in this issue. See pages 14 and 15 for details. Ballots must be postmarked by May 17, 1997.

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MEMBERSHIP & CHANGE OF ADDRESS IEEE Member Services: 800 678 4333 member.services@ieee.org IEEE Service Center, 445 Hoes Lane Piscataway, NJ 08854-4150 Scanfax change of address- contact business office	SUBMITTAL DEADLINES June issue: April 25. Sept. issue: July 20. Submit text of announcements electronically to the editor at scanfax@ieee.fnl.gov. Announcements submitted to this address will also appear on the Chicago section Web site. Announcements not submitted electronically are due 1 week earlier than the above deadlines and will not automatically be posted on the Web. ADVERTISEMENTS: Contact business office.		

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City of Chicago Plan Approval Process

Timothy M. Cullerton
Chief Electrical Inspector
City of Chicago.

Wednesday, May 14 1997

ABOUT THE TOPIC

An informative presentation on the policies and procedures necessary to obtain approval of Chicago electrical installations including plan review and the special permission process.

ABOUT THE SPEAKER

Mr. Tim Cullerton brings to us his 27 years of knowledge and experience in the City of Chicago electrical installations, code compliance, application, and planning. He is currently the Chief Electrical Inspector for the City of Chicago, Department of Buildings, Bureau of Electrical Inspection. Mr. Cullerton started out as a Journeyman Wireman for IBEW Local #134 and has served the city in various positions including Electrical Inspector, Supervisor of Electrical Inspectors and also as Code Instructor for IBEW Local #134. His presentation will be complemented by Mr. Dennis Coffey, Chief Electrical Plan Inspector for the city.

PLACE

Como Inn
564 Milwaukee Avenue.
Chicago
Just off 90/94, to the east

TIME

Social 11:30 a.m.
Lunch 11:45 a.m.
Presentation 12:30 p.m.
Conclusion 1:30 p.m.

COST: \$16- includes the presentation and Chicken or Pasta for lunch.

RESERVATIONS:

Call the IEEE Business Office at 630-964-4333 with your entree choice.

NOTE: Attendance at IEEE Technical Meetings is acceptable as one PDH (Professional Development Hour) per meeting, where continuing education is required for renewal of the P.E. License.

***** SPECIAL NOTICE *****

Chicago Section-IAS/IES Chapter Executive Committee Elections will be held on June 18th at the Como Inn. Please contact the IEEE business office if you are interested in becoming an Executive Committee Member.

TECHNICAL CAREER FAIR

**Monday & Tuesday
February 3 & 4 • 3pm - 7pm**

Embassy Suites Hotel
707 E. Butterfield Rd. • Lombard, IL

Talk to hiring managers from some of the Chicago area's top companies. On-the-spot interviews for a variety of Engineering and Information Systems positions.

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COMPUTER SOCIETY
CHICAGO SECTION
presents

Joe Baro
SUN Microsystems

JAVA TECHNOLOGIES

Tuesday, May 20, 1997

ABOUT THE TOPIC

Java is a very powerful programming language which was originally developed at Sun Microsystems. The Java Programming Language has fueled the growth of activities in the Internet and the Web. This talk discusses how Java can be used as well as the technologies available with Java and when to use them. We invite you to come and enjoy an evening with Joe and continue the Java adventure.

ABOUT THE SPEAKER

Joe Baro is a systems engineer at Sun Microsystems and a Java evangelist.

PLACE

Lucent Technologies
2000 N. Naperville Rd.
Naperville, IL 60566.

TIME

7:15 p.m.

DIRECTIONS

Lucent Technologies is located at the northwest corner of Warrenville Rd. and Naperville Rd. in Naperville. From Route 88, take the Naperville Rd. exit, turn north on Naperville Rd., left on Warrenville Rd., and enter the building at the first right turn from Warrenville Rd. The first right turn from the drive will lead you to the front of the building. Ample parking is available in front of the building.

RESERVATIONS

Please call the IEEE business office at 1-800-898-IEEE.

ADDITIONAL INFORMATION

Please call Krish Krishnamachari at 630-713-7193

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Components, Packaging
and Manufacturing
Technology Society
and
American Institute of
Chemical Engineers

RADIO ASSEMBLY
MANUFACTURING
TECHNOLOGY
AND MATERIALS
CHARACTERIZATION

Jack Sherman, Motorola

Wednesday, May 14, 1997

ABOUT THE TOPIC:

This will be a joint meeting for CPMT and the AIChE Chicago Chapter, preceded by a factory walkthrough past clean rooms and wet chemistry for product development and manufacture, radio development work stations, quartz crystal oscillator and radio assembly. The AIChE annual meeting (30 minutes max) will follow an informal dinner in the cafeteria.

After the meeting, Jack Sherman will discuss radio systems and related technologies with an emphasis on material characterization. The presentation will include uses of scanning electron microscopy, packaging and assembly materials for encapsulation, and procedures for mechanical and chemical decapsulation of electronic components for failure analysis.

ABOUT THE SPEAKER:

Jack Sherman is a past Chair of IEEE Chicago Section and a Senior Engineer at Motorola. He is a Life Senior Member of IEEE, a Senior Member of SWE and a member of ASQC and ASM. He is a graduate of the University of Chicago with graduate studies in Electronics Engineering, Experimental Psychology, Statistics, and Physics at the University of Connecticut. In addition to the capabilities of lab equipment, he can discuss the design and use of apparatus to investigate the learning abilities of mentally challenged individuals.

PLACE

Motorola
Land Mobile Products Sector
Radio Network Systems Group
(Base Radio Stations)
1301 E. Algonquin Road
Schaumburg IL 60196

TIME

5:00-6:00p	Registration and Social Hour
6:00-6:30p	Facility Walkthrough
6:30-7:00p	Cafeteria Dinner
7:00-7:30p	Dessert & AIChE Annual Meeting
7:30-8:15p	Presentation
8:15-8:30p	Questions & Answers

COST: about \$5 for cafeteria style dinner

RESERVATIONS ARE REQUIRED.

Call the ACS Office at (847) 647-8405 to make a reservation before May 9.

Note: No admission after 6:00 p.m.

Chicago Chapter
CPMT Society
announces

American Society for Metals and Materials Integrated Circuit/ Microelectronics Packaging Seminar

Friday, May 16, 1997

PURPOSE: Introduction to the materials and processes used in packaging IC's for assembly into electronic products

SEMINAR SCHEDULE

8:30 a.m.- 9:00 a.m.	Registration
9:00 a.m. - 10:30 a.m.	Overview Broad overview of all packaging technologies. Presenter: Jan Vardaman
10:30 a.m -11:00 a.m.	Break
11:00 a.m. - 11:45 a.m.	Wire Bond Interconnects Presenter: Thurston Lee Motorola/SPS
12:00 N - 1:00 p.m.	Lunch
1:00 p.m. - 2:00 p.m.	Solder interconnects Presenter: Kester Solder
2:00 p.m. - 3:00 p.m.	Encapsulants Molding compounds and glob tops Presenters: Tom Wood and Bruce Weber - AMOCO
3:00 p.m. -3:30 p.m.	Break
3:30 p.m.. - 4:30 p.m.	Design and Reliability - What can the model do for you? Presenter: Andrew Skipor Motorola/CMRC

PLACE: Motorola Galvin Center Auditorium
Algonquin and Meacham Rds., Schaumburg, IL

COST:

Advance reservations are required. If paid by May 9- \$30 (students \$15);
After May 9- \$40 (students \$20). The registration fee includes lunch.

Registration and further information: Call George Carson 847-538-4310.

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POWER ENGINEERING SOCIETY

presents

Line Side Effects of VFD Harmonics

Wanda Bloomfield
Toshiba International, Inc.

Wednesday, May 21, 1997

ABOUT THE SPEAKER AND TOPIC

Ms. Bloomfield has been with Toshiba International since 1995. She graduated from Lamar University of Texas in 1994 with BSEE. She will discuss various power quality issues, RPMI and creative types of mitigating to overcome harmonic problems

PLACE

Sharko's Restaurant
2225 Ogden Ave., Lisle, IL
630-852-4500

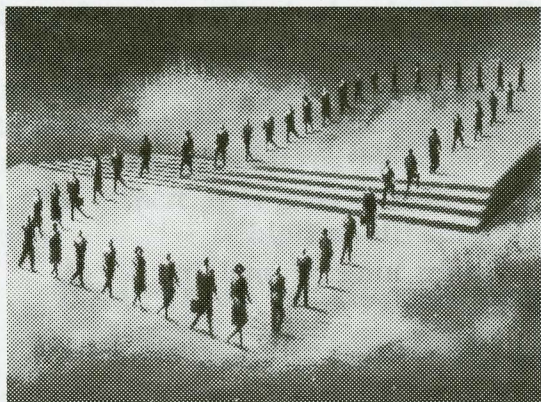
TIME

Social	5:30 p.m.
Dinner (optional)	6:00 p.m.
Presentation	7:00 p.m.

COST

Dinner is optional, and costs \$16. The presentation is free.

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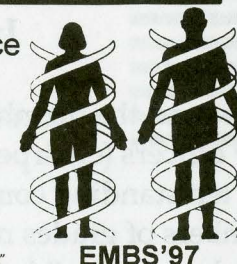
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On October 30, 1997, the Biomedical Engineering Community will gather in Chicago

19th Annual International Conference IEEE/EMB SOCIETY Chicago USA



30 October to 2 November 1997

"Magnificent Milestones and Emerging Opportunities in Medical Engineering"

EMBS'97

Plan now to attend EMBS'97. The venue for the conference is the Chicago Marriott Downtown, located along Chicago's Magnificent Mile, in the middle of world class shopping, restaurants, and cultural events.

The technical sessions will include both poster and platform sessions. Posters will be prominently displayed in the Grand Ballroom, along with the Exhibits and Coffee Break Areas. Meeting topics include:

- Cardiovascular System
- Imaging/Image Processing
- Clinical Engineering
- Medical Informatics
- Neuromuscular Systems
- Physiological Systems
- Instrumentation, Sensors, Devices
- Signal Processing
- Electromagnetic Issues
- Developing Areas

A number of mini-symposia will be held in parallel with the technical sessions and over the lunch hours. In addition to the technical sessions, many pre-conference workshops are being planned, which will be held on October 28 and 29.

Students, please note there will be an IEEE/EMBS Whitaker Foundation Student Paper Competition, and an Undergraduate Student Design Competition.

Web Update: <http://www.eecs.uic.edu/~embs97>

email: embs97@ieee.org

Conference Secretariat
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PAPER DEADLINE IS 1 MAY 1997

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Instructions for Ballot

Each year, the membership of the section is asked to elect four new officers (chairperson, vice-chair, treasurer, and secretary) and ten standing committee chairmen. All Chicago section IEEE members of grades member, senior member, fellow, or life member are eligible to vote. Your member grade and eligibility to vote are indicated on your Scanfax mailing label.

This year, the Chicago section nominating committee has placed into nomination persons for each of the four offices and for four of the standing committees (top portion of the ballot). No nominees have been selected for the other six committees. For each position, you may vote for the selection of the nominating committee, or write in the name of a candidate of your choosing.

Please indicate your selections on the ballot printed on the opposite page. Sign the ballot. Then tear out the ballot page, fold it in half with your mailing label on the inside and the ballot on the outside, tape shut, and mail.

Ballots must be postmarked by May 17 to be counted.



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IEEE Chicago Section 1997 Ballot Postmark by May 17, 1997
See instructions on facing page

Chair

- ☐ Irwin Smiley
☐ Other _____

Vice Chair

- ☐ Sam Peach
☐ Other _____

Treasurer

- ☐ Howard Penrose
☐ Other _____

Secretary

- ☐ Ed Bogus
☐ Other _____

Awards _____

Finance _____

Membership _____

Conference

- ☐ Judy Gemperline
☐ Other _____

Publications

- ☐ Judy Gemperline
☐ Other _____

State Government Activities

- ☐ Bert Orszula
☐ Other _____

Student Activities

- ☐ Peter Look
☐ Other _____

Prof. Activities _____

Program _____

Special Events _____

Member Signature _____

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