



IEEE

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SEPTEMBER, 1997

Institute of Electrical & Electronics Engineers

Chicago Section Newsletter

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Chicago Section Business Meeting-All Welcome

Tuesday September 9 • 7:15 PM

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

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

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1997 Awards Banquet Report

The IEEE Chicago Section at its Annual Awards Dinner on April 19, 1997 recognized three new IEEE Fellows in our Section. In addition, we also honored several students, as well as their Student Branch and Student Chapter Advisors. Our Section also wishes to acknowledge the support of the local companies and educational institutions who helped to make this event so successful.

NEW IEEE FELLOWS FOR 1997:

Dr. David E. Borth	Motorola, Inc.
Prof. Michael L. Honig	Northwestern University
Dr. Fuyun Ling	Motorola, Inc.

IEEE FACULTY ADVISORS:

DePaul University	Professor Chengwen Liu
DeVry Institute of Technology (Chicago)	Professor Thomas Varetoni
DeVry Institute of Technology (DuPage)	Professor Ahmed Khan
Illinois Institute of Technology	Professor Guillermo Atkin
	Professor David Patterson
	Professor Alan V. Sahakian
Northwestern University	Professor Sharad R. Laxpati
University of Illinois at Chicago	

Awards Banquet Report, cont.

STUDENT AWARDEES:

DePaul	Scholarship: Caroline St. Clair	Leadership: Paula Uscian
DeVry, Chicago	Scholarship: Ronald Bennett	Leadership: Gary Collins
DeVry DuPage	Scholarship: Doreen Davis	Leadership: Scott Slechta
IIT	Scholarship: Yijin Woo	Leadership: Samina Haque
Northwestern	Scholarship: Hiroshi Noguchi	Leadership: Shihuh Yuan Chen
UIC	Scholarship: Rajesh Verma	Leadership: Oki Villareal

SPECIAL RECOGNITION:

Illinois Institute of Technology:	Daniel Scire
University of Illinois at Chicago:	Hiep Doan

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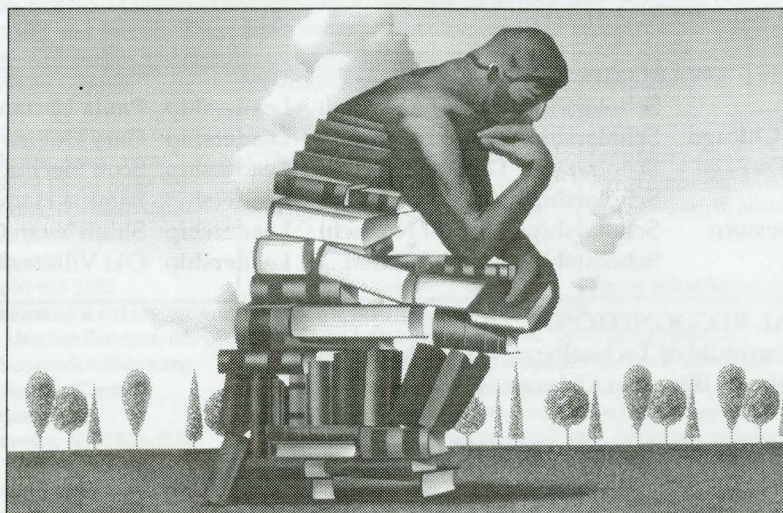
Andrew Corporation	Newark Electronics
Automatic Switch Co.	Northrop Grumman
Bycap, Inc.	The Okonite Company
Charles Equipment Co.	Panatrol Corporation
Commonwealth Edison	Patten Industries, Inc.
Contemporary Control Systems	Rockwell Automation
CORCOM	S & C Electric
DeVry Institute of Technology, Chicago	Sargent & Lundy
Elite Electronic Engineering	Siemens Energy & Automation
Harza Engineering	Tellabs, Inc.
Method Electronics	Zenith Controls
Motorola, Inc.	

Our Section also would like thank the following companies and educational institutions who sponsored tables at our Banquet:

CTE Engineers, Inc.	Motorola Corporate Research
DeVry Institute of Technology, Chicago	Northwestern University
DeVry Institute of Technology, DuPage	Sargent & Lundy
Lehman Company	University of Illinois at Chicago
M. G. Electric Company	Weldy-Lamont Associates

Our Committee would like to add several new members, preferably some recent graduates. If interested, please send e-mail to j.feitler@ieee.org or call our IEEE Office at (800) 898-IEEE to reserve a seat at our next dinner meeting on Wednesday, September 24th, 1997.

Frank Lakowski	Joe Feitler
Chairman, Special Events Committee	Publicity Chair, Special Events Committee
IEEE Chicago Section	IEEE Chicago Section



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Joint chapter: Antennas & Propagation and Microwave Theory & Technique

Technical presentation
and officer elections

Land Mobile
Radio Antenna
Port to Antenna
Port Frequency
Response

Allen Davidson
Motorola Systems Technology Research Lab

Tuesday, September 23, 1997

About the Topic

The frequency dependence of land mobile communications is analyzed experimentally between 50 MHz and 1.5 GHz. For portable communications in buildings, the propagation loss is a minimum near 800 MHz. For communications in tunnels, frequencies above 800 MHz have significantly less loss than those below 450 MHz. Portable and mobile communications on the street and in vehicles are also important; in this case, lower frequencies have less loss than higher ones. Qualitative reasoning is given to support these quantitative results.

About the Speaker

Allen Davidson holds a BSEE from the University of Illinois, Urbana and a MSEE from Drexel University. He started working on antennas in 1962, and has done research on base, mobile, and portable land mobile antennas, multipath propagation, and system design in the terrestrial and mobile satellite services. He has published papers in this field, and holds 15 patents. Mr. Davidson is a member of the IEEE APS and VTS, the Bioelectromagnetics Society, and the TIA standards committees TR-8.11 and TR-8.17. He is a Motorola Dan Noble Fellow, and is a member of the Technical Staff of the Motorola Systems Technology Research Lab.

Place

Motorola Conference Room C
1301 Algonquin Road
Schaumburg, IL

Time

6:00 p.m.	Social
6:30 p.m.	Dinner
7:00 p.m.	Presentation

Hot entrees, cold cuts, pizza and beverages will be available in the Motorola cafeteria after 6:00 p.m. and will be individually billed.

For Reservations: Call the IEEE Business Office at (800) 898-IEEE (or e-mail feinerman@uic.edu) no later than noon, Tuesday, September 23. Directions and admission procedures will be provided. If you don't RSVP security might not allow you into the building !!!

Note: Contact Alan Feinerman, feinerman@uic.edu, 312-996-2313 office 312-413-0447 fax, if you want your name added to the APS/MTT electronic mailing list.

Engineering in Medicine & Biology Society

1997 Organizational Meeting and Officer Elections

Tuesday, September 16, 1997

For the past two years, local EMBS activities have been organized by a steering committee. The chapter would like to elect a slate of officers to continue these efforts. On September 16, 1997, we will hold a meeting to plan events for the rest of 1997/1998 and to elect new officers. If you are interested in volunteering to be an EMBS officer, or in assisting with the planning of upcoming events, please contact Judy Gemperline at j.gemperline@ieee.org, or 847-459-9265.

Place:

Motorola Conference Room C
1301 Algonquin Road
Schaumburg, IL

Time: 7:30 p.m.

Hot entrees, cold cuts, pizza and
beverages will be available in the
Motorola cafeteria after 6:00 p.m. and
will be individually billed.

For Reservations: Because of security at Motorola, reservations are required. Please call the IEEE Business Office at (800) 898-IEEE (or e-mail j.gemperline@ieee.org) no later than noon, Monday, September 15.

19th Annual International Conference

IEEE/ EMB Society

Chicago Marriott

October 30 to November 2, 1997

Meeting topics include:

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

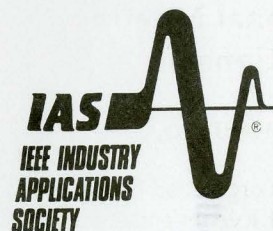
A number of mini-symposia will be held in parallel with the technical sessions. Pre-conference workshops will be held on October 28 and 29.

Volunteers needed!

For further information on the conference, or to volunteer, please contact:

Robert J. Jaeger, Ph.D., Conference chair
Illinois Inst. Technology/ 10 W. 32nd St, E1-116/ Chicago, IL 60616
Ph: 312-567-3926 e-mail:jaeger@charlie.cns.iit.edu

Web update: <http://www.eecs.uic.edu/~embs97> email:embs97@ieee.org



1997/1998 IEEE/IAS PROGRAM SCHEDULE

The Chicago Chapter of the IEEE Industrial Applications Society is pleased to announce the technical presentation topics for the 1997/1998 sessions:

- | | |
|-------------------|--|
| October 29, 1997 | Electrical Distribution System Selection Considerations |
| November 19, 1997 | Circuit Breaker Selection and Application: Comparison of Molded Case, Insulated Case and Power Circuit Breakers Applications |
| January 28, 1998 | Transformer Selection and Application: Comparison of Liquid, Dry and Cast Coil Type Transformer Applications |
| March 25, 1998 | Application Considerations for Variable Frequency Drives (Low Voltage) |
| April 22, 1998 | Application Considerations for Variable Frequency Drives (High Voltage) |
| May 13, 1998 | Stand-By, Co-Generation and Peak Shaving Power Applications |

Final details on dates, times and locations will be presented in upcoming Scanfax issues.

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.

IEEE CHICAGO SECTION - The IAS / IES CHAPTER Executive Committee is interested in your comments and questions. You can reach us via the IEEE business office at (630) 964-4333.



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