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CALENDAR OF EVENTS

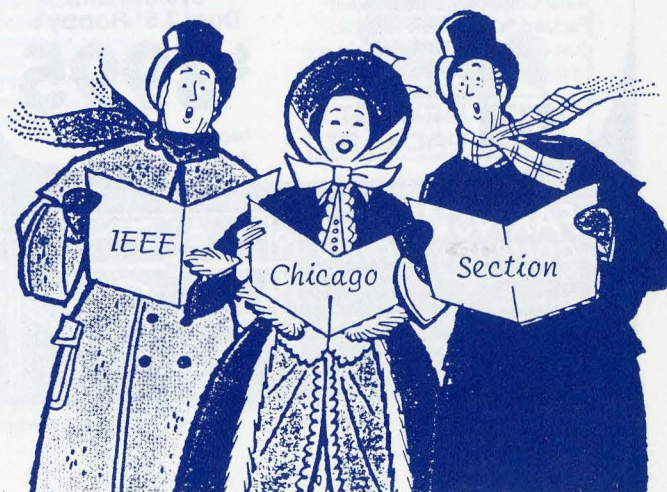
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COPY DEADLINE: NO LATER THAN THE 25th OF THE MONTH

DEC. 7	"Is Software (Quality) Measurable"	Computer Society (For reser., John North, 260-4692)	Wilton Manor Main St. at Geneva St. Wheaton	Social 5:30 PM Dinner 6:30 PM Meeting 7:30 PM
7	"Distributed Control in Plant Modernization"	Power Engrng. Soc.	Carson Pirie Scott Wabash & Monroe Sts. Highland Rm., 8th Fl.	Social 11:30 AM Lunch 12:00 PM Meeting 12:30 PM
10	Seminar - "Principles of Machine Vision"	Industry Appls./ Industrial Elec- tronics Soc.	Holiday Inn 3405 Algonquin Rd. Rolling Meadows	8:30 AM--4:00 PM
13	Monthly Meeting - ALL WELCOME	IEEE Executive Cte.	McDonald's Plaza NE corner McDonald Dr. at 22nd, Oak Brook	Meeting 7:30 PM
T 9 8 4 JAN. 4	"Robotics"	Industry Appls./ Industl.Elec.Soc. (j/w ISA)	Mr. Peter's Rest. 1018 Mt.Prospect Plaza Rand & Central Rds.	Social 5:30 PM Dinner 6:15 PM Meeting 7:15 PM
10	Monthly Meeting - ALL WELCOME	IEEE Executive Cte.	McDonald's Plaza NE corner McDonald Dr. at 22nd, Oak Brook	Meeting 7:30 PM
11	"Engineering Liability"	Power Engrng. Soc.	Carson Pirie Scott Wabash & Monroe Sts. Highland Rm., 8th Fl.	Social 11:30 AM Lunch 12:00 PM Meeting 12:30 PM
17	"Medical Electronics"	Northwest Sub.	Mr. Peter's Rest. 1018 Mt.Prospect Plaza Rand & Central Rds.	Social 6:00 PM Dinner 7:00 PM Meeting 8:00 PM
25	"Comparison of Software Design Methodologies"	Fox Valley Sub.	Wilton Manor Main St. at Geneva Rd. Wheaton	Social 6:00 PM Dinner 7:00 PM Meeting 8:00 PM



AND
BEST WISHES
FOR THE NEW YEAR



12th ANNUAL CONGRESSIONAL FELLOWSHIPS - The IEEE has announced its 12th Annual Competition for 1984-85 Congressional Fellowships - a congressional internship for IEEE members.

PROGRAM • Electrical and Electronics Engineers and Allied Scientists are competitively selected to serve a one-year term on the personal staff of individual Senators or Representatives or on the professional staff of Congressional Committees. The program includes an orientation session with other Science-Engineering Fellows sponsored by the American Association for the Advancement of Science (AAAS).

PURPOSE • To make practical contributions to more effective use of scientific and technical knowledge in government, to educate the scientific communities regarding the public policy process and to broaden the perspective of both the scientific and governmental communities regarding the value of such science-government interaction.

CRITERIA • Fellows shall be selected based on technical competence, on ability to serve in a public environment and on evidence of service to the Institute and the profession. Specifically *excluded* as selection criteria shall be age, sex, creed, race, ethnic background and partisan political affiliations. However, the Fellow must be a U.S. citizen at the time of selection and must have been in the IEEE at Member grade or higher for at least four (4) years. Additional criteria may be established by the Selection Committee.

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(continued)

AWARDS • IEEE plans to award at least two Congressional Fellowships for the 1984-85 term. Additional funding sources may permit expansion of awards.

APPLICATION • Applications must be postmarked no later than March 31, 1984 to be eligible for consideration. Call Ed Koncel, Commonwealth Edison Company, (294-3365) for further information and application forms.

Being a Fellow in the IEEE is the epitome of peer recognition. By nominating outstanding members to Fellow grade you are not only honoring members to Fellow grade, you are bringing increasing pride to our Chicago Section. Make a Fellow of your friend. Act today!

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A change of address form is included in each issue of SPECTRUM. Your local post office will also supply you with cards; mail to Roseann Schulz, Member Services, IEEE Service Center, 445 Hoes Lane, Piscataway, NJ 08854. Include your SPECTRUM mailing label if possible. We cannot forward this information for you, so please do not send it to the local office.

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SPECIAL EVENT

IEEE CHICAGO CHAPTER
INDUSTRY APPLICATIONS SOCIETY/INDUSTRIAL ELECTRONICS SOCIETY

TUTORIAL SEMINAR "PRINCIPLES OF MACHINE VISION"

SATURDAY - DECEMBER 10, 1983
8:30 A.M. - 4:00 P.M.

HOLIDAY INN, 3405 ALGONQUIN RD., ROLLING MEADOWS, IL

TOPICS: Vision Sensor Technology, Image Processing, Computer Vision Algorithms and Current Applications to Robotics Vision Systems.

WHO SHOULD ATTEND: Practicing engineers and managers who are responsible for implementing systems which enhance operating productivity; and other curious and innovative people interested in the topic.

PROGRAM: 9:00 A.M.-10:30 A.M. Sensor Technology-Professor George Nagy, University of Nebraska*.
10:45 A.M.-12:15 P.M. Image Processing & Computer Vision-Professor Shi-Kuo Chang, Illinois Institute of Technology, Chicago.
1:15 P.M.- 2:00 P.M. Robotics Systems-Al Turnauer, Object Recognition Systems.
2:00 P.M.- 2:45 P.M. Perspective of a Robotics, Vision & AI Manufacturer-Pierre Payne, International Robomation/Intelligence.
3:00 P.M.- 3:45 P.M. Machine Vision Systems from Inspection to Flexible Manufacturing-Dean Wilson, Midwest Regional Manager, General Electric Vision Systems.
Round table discussion of Machine Vision.

*See Computer Magazine, May 1983, Optical Scanning Digitizers by George Nagy.

REGISTRATION: Includes admission, lecture notes, lunch and break refreshments. Registrations will be accepted until December 5, or until class is full. In the event an individual must cancel, a full refund will be made after the Seminar provided notification is received before December 1. Lodging should be arranged independently, but a list of nearby accommodations will be provided if requested.

I would like to attend the Tutorial Seminar, "Principles of Machine Vision." Please send registration materials. Fee in the amount of \$ _____ is enclosed*.

NAME _____ TITLE _____
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Please enclose check or money order payable to IEEE IAS/IES Chicago Chapter using the following fee schedule: *Students \$40, IEEE members \$50, non-IEEE \$60. Return to: Ed Barrett • Contemporary Control Systems, Inc. • 4949 Forest Avenue • Downers Grove, IL 60515 • (312) 963-7070.

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UPDATE

USAB PATENT BILL INTRODUCED - Representative Robert Kastenmeier, (D-WI), has again introduced into the U.S. House of Representatives, a Patent Bill developed by the IEEE/USAB (U.S. Activities Board) West Coast Patent Subcommittee and the USAB Patent Task Force. Mr. Kastenmeier is the Chairman of the Subcommittee on Courts, Civil Liberties and the Administration of Justice, U.S. House of Representatives - the House Subcommittee having primary jurisdiction over such patent issues. He introduced this legislation into the previous Congress and scheduled Congressional hearings at which IEEE testified in support of enactment of the legislation. Again Mr. Kastenmeier has shown his support for the legislation by his introduction of H.R. 3286 into the current Congress.

We ask that all IEEE members interested in protecting their patent rights contact their representatives in Washington and ask them to support H.R. 3286, a Bill to Set Federal Standards for Permissible Employee Pre-invention Assignment Agreements. This is particularly important for those members who have Henry Hyde representing them. Mr. Hyde is on the committee reviewing this legislation.

For information on this Bill, write or phone John Waters, Chicago Section PACE Chairman at the IEEE office • 125 S. Clark Street, Room 1545 • Chicago, IL 60603, (236-4609).



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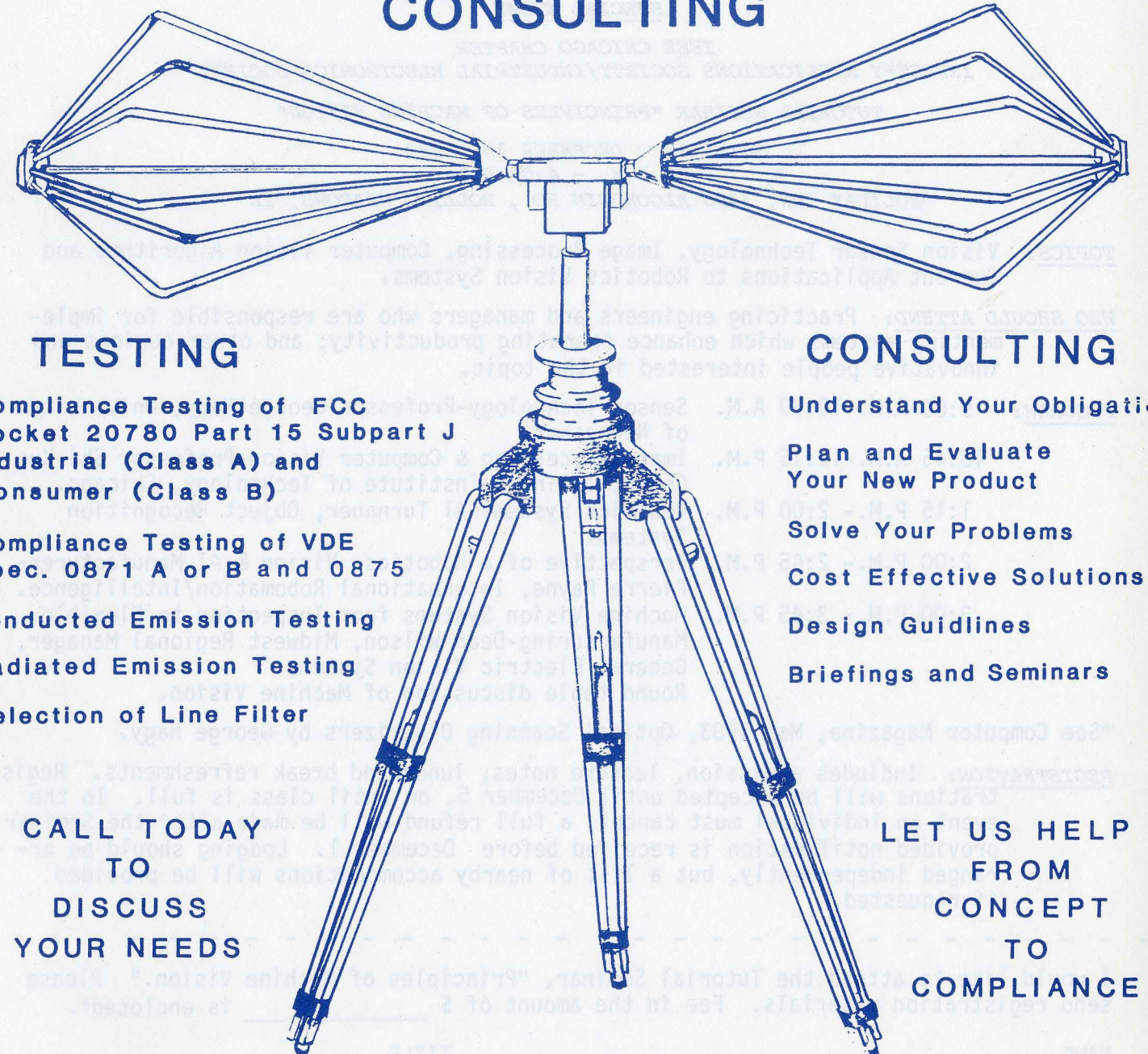
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