President's Report

The Reliability Society ushered in the New Year with two most noteworthy events: the Society-sponsored visit to the USA of The People's Republic of China reliability scientists and the competitive selection of AdCom member Thomas L. Fagan as IEEE Congressional Fellow.

As a result of AdCom action in the fall of 1979, invitations had been extended to Messrs. Lu Chun-Yu, Chiu Tsu-Tung, and Ku Ken-Ching to attend the 1980 Reliability and Maintainability Symposium which was held in San Francisco, January 22nd through 24th. Mr. Lu is the Chief Scientist of the China Electronic Product Reliability and Environmental Testing Research Institute located in Canton, now called the city of Guangzhou. He is also an Executive Director on the Board of Directors of the Chinese Institute of Electronics (CIE). Concurrently, he holds the office of the President of the newly formed CIE Reliability Society. Mr. Chiu, the very able interpreter for Messrs. Lu and Ku, is a reliability engineer on the staff of the Chief Scientist. Mr. Ku Ken-Ching is a reliability engineer in the High-Reliability Department of the Fourth Ministry of Machine Building in Beijing (formerly Peking). The visitors' itinerary included tours of West Coast testing laboratories of Viking, Hewlett-Packard, DCA, Varian, and VNS, and of the Midwest testing laboratory of Goodyear Aerospace Corporation in Akron, OH. A tour of the National Bureau of Standards in Washington, DC, wound up the visit in the States. The Reliability Society is proud of initiating the visit as a first step in developing between ourselves and the Chinese the spirit of cooperation, understanding, and mutual respect as peers in the practice of the reliability discipline. We look forward to further cooperative efforts between our two Societies.

Each year the IEEE, pursuant to provisions of the Congres-
sional Internship Program, conducts a competition for Congressional Fellow appointment. The program essence is the competitive selection of electrical/electronics engineers or allied scientists to serve a one-year term on the personnel staff of individual Senators or Representatives, or the pro-

fessional staff of a Congressional Committee. The basic pur-

pose of the program is to make practical contributions to more effective use of scientific and technical knowledge in government, to educate the scientific communities regard-

ing the public policy process, and to broaden the perspec-

tive of both the scientific and the governmental com-

munities regarding the value of such science-government in-

effect. Under this program, the Fellows are selected on the basis of technical competence, on ability to serve in a public environment, and on evidence of service to the In-

stitute and the profession. This year two applicants were chosen from a field of twenty, of which Tom Fagan was one. Tom will serve as special assistant to U.S. Senator Strom Thurmond, on the staff of the Senate Armed Services Com-

mittee. We take particular pride in the selection of one of our AdCom members as a Congressional Fellow and manifest our confidence in Tom Fagan's successful tenure of office.

DR. THADDEUS L. REGUNSKI
President

Reports From Officers

Meetings

Those who missed the R & M Symposium in January missed an outstanding conference. The technical program was structured to provide something of interest for both the seasoned and the novice practitioner and was successful in doing so, as evidenced by the record attendance. A copy of the Proceedings has been sent to each Reliability Society member as a bonus from your Society. The Call for Papers for the 1981 Symposium was included in the Proceedings and you should have your abstracts prepared.

As this report is being written, final preparation is being made for the International Reliability Physics Symposium in Las Vegas, which also promises an outstanding program. This Symposium annually provides in-depth discussion of physics of failure, which is vital information to a large seg-

ment of our membership. Mark your calendar for September 22-24 for the 1980 Pro-

ject Reliability Prevention Conference to be held in Washington, DC. Learn how to protect your company from liability exposure by participating in this educational con-

ference. New copies of the proceedings of the 1979 PRL Conference are still available free of charge to Reliability Society members. Send your name, address, and member-

ship number to AdCom.

PLP Conference
23 Runyon Road
Livingston, N.J. 07039

CARL M. BRID
Vice President, Meetings

Membership

Membership Statistics: An overall membership increase of 4.4% was achieved (+123 members). A breakdown of this in-

crease shows a 16%/28 drop in student members, a 5.7%/+

(+150) increase in higher grades, and a 0.3% (1) increase in affiliates. See related story, later in this issue.

Treasurer's Report

The preliminary figures for 1979's operations were only recently (Feb. 28, 1980) made available to Treasurer Irwin A.

Feigenbaum, so that a formal report could not be made ready by the April Newsletter's deadline. The formal report

will be carried in the July issue of this Newsletter. (Good news, though, instead of the projected deficit, there's an ex-

pected surplus.)

Publications Committee

Summary of 1979 Accomplishments

All the stated goals of the 1979 Publications Committee and you should have your abstracts prepared.

• Advertising solicitation for membership in the Transac-

Xations and Newsletter.

• Convened the Publications Committee and reviewed and submitted rules and guidelines for AdCom publica-

tions, which were accepted by AdCom.

• Reviewed cross membership with ASQC's Electronics

Division. It was decided that changes to the Transac-

tions policy would not result in transfer membership of any significance.

• Recommended a new addition to AdCom membership and added him to the Publications Committee (A. Con-

stantinides).

Statement of Goals for 1980

1. Continue solicitation of members through ads in the Transactions and Newsletter.

2. Convene Publications Committee to review comple-

teness, adequacy, and additional needs of policies and procedures, or guidelines.

3. Increase aggressive solicitation of "practical" papers for Transactions by request to Program Committees of ARMS and RPS for unused articles and other sources.

4. Obtain more personal data on individual members from Headquarters or others on promotions, change in membership, articles on AdCom members, special chapter activities, etc., for use in Newsletter. (Members are invited to submit news items directly to the Newsletter editor.)

ALAN O. PLATI
Vice President, Publications

EDITORIAL

In the back of this issue, you'll find an edited version of a speech made by A. Henry Morgan, Chairman of the IEEE

Public Relations Committee. His words coincide with my feelings. To present differing views, drop a line to:

Editor, Reliability Society Newsletter

Old Colony Estates

16 Sansome Street

Plymouth, MA 02360

On a less philosophical note: Most of you probably re-

ceived the January, 1980 issue of this Newsletter in early March, 1980. This was due to logistical problems, which hope-

fully are resolved, at IEEE Headquarters in New York. We would like to know how long it takes for the Newsletter

to reach you. The April issue should be mailed by April 15, 1980. When it reaches you, kindly take the time to fill out a postcard with the date and your location, and mail it to me at the above address. (Other comments would be ap-

preciated too.) We are particularly interested in areas on the West Coast, in Canada, Mexico, and overseas.

JOHN PETER

Deadlines for Future Issues

Issue Deadline

July 1980 ........................ May 5, 1980


Chapter News

Chapter Awards

Mr. Malec reported that 9 out of 18 chapters replied to the Chapters and Program. The winners are:

1. Washington/Na\r

V

r\r

C\n
g\n
New York/Long Island

Cleveland

The awards were presented at the Annual Awards Lun-

cheon, January 22, 1980.

Boston Chapter

The Boston Chapter opened the year of professional ac-

tivities with its first monthly chapter meeting, held Wednes-

day, September 19th, 1979, at the Hanscom Air Force Base Officers' Club. John F. Benson of Kaper Engineers, Inc. was the guest speaker. Mr. Benson is Manager of Systems

Assurance and Safety Engineering Services providing for Boston's MBTA Southwest Corridor Project. His talk, "Reliability, Safety, and the 1 ..." described how classical method-

ologies of reliability and safety have been applied to the design and development of a state of the art rapid transit project.

The Chapter's fall lecture series, "Software Reliability Techniques," was highly successful. Dr. Michael Paige of the Analytical Sciences Corporation (ASC) conducted the lec-

tures on four Thursday evenings, October and November, 1979. There were 44 paid attendees.

The December Chapter Meeting was held at the Speare House in Lowell, MA. The guest speaker was Mr. J. B. Campbell, who is Manager of Customer Requirements Engineering at Boeing Aerospace Company, Houston, TX. Mr. Campbell spoke on the subject of "Sneak Analysis," first providing in-

sight into the analysis and then describing Boeing's ex-

perience and capabilities in the area.

In January, Mr. D. J. Harrhay was the guest speaker at the Chapter meeting held at the Hanscom AFB Officers Club. Mr. Harrhay, Manager of Reliability/Maintainability Engineer-

ing, Raytheon Equipment Division, Sudbury, MA, gave a talk entitled, "Reliability for the 1980's: Challenges and Oppor-

tunities." Mr. Harrhay updated his talk of a decade ago focusing on the influence of new technologies on Reliability Engineering.

Calls for Papers

IEEE Transactions on Reliability

Special Issue on Maintainability

The Editorial Board is planning a special issue of invited papers on the subject of maintainability. The purpose of the issue is to provide a forum for the exchange of applications and theory among those involved with the maintainability (including design, testing, use, and management) of modern consumer, industrial, or military equipments. Papers on practical applications and case histories will be considered. All papers must be previously unpublished. Suggested areas

are

• Maintainability Specifications and Requirements
• Design Techniques
• Prediction, Assessment, and Measurement Methods
• Test and Verification Methods
• Specification and Measurement of Built-In Test and Fault Isolation Capabilities
• Maintenance Cost Analysis
• Maintenance Strategies: Present and Future
• Man-Machine Interface for Maintainability
• Maintainability of Software
• Remote Test and Diagnostics

3
SRE-80: Transportation Information and Energy presented by The Society of Railway Engineers
May 15 and 16, 1980
SRE-80 Registration
Name ____________________________
Company _________________________
City ____________________________
Province/State ____________________
Postal/Zip Code ____________________
Country __________________________
Session Areas of Interest ____________

*Advance Registration $90.00
(Postmarked no later than April 16, 1980)
*Registration at Door $100.00

Please make hotel reservations independently.

**Fee includes luncheons, banquet, and copy of SRE-80 proceedings. Make cheque or money order payable to SRE-80; attach to completed registration form and mail to:

SRE-80 Registration
Suite 7, 732 Wilson Avenue,
Downsville, Ontario
Canada, M3X 1E2

Sponsors of more than one attendee are requested to list on a letterhead names, addresses, and affiliations of all extra attendees.

**Fee does not include meals.

Advance Program
THURSDAY, 15 MAY, 1980
07:30- REGISTRATION (Foyer 2nd Floor)
09:00 COFFEE
09:00 KEYNOTE ADDRESS IV: L.G. McConell, Vice-President, Protection and Transportation, Ontario Hydro.
09:45 COFFEE
10:00 Pipeline Reliability - Role in Logistics. Igor Breznevsky Jr.
11:00 Consumer Demand for, and Reactivity to, Reliability. Louis A. Weisel, University of Georgia, Ontario, Canada.
12:15 LUNCH
13:45 Session 1 - Development of the DMC-7 Aircraft Maintenance Program. G.L. Delay, Seaworks Aircraft of Canada
Session 2 - A Comparison Study of the Two Majority-Input Information Systems: input-Output and Time-Volume, the Major Factors Affecting System Capabilities of Seaworks Aircraft of Canada Ltd., Mississauga, Ontario, Canada
Session 3 - Predictability of Modern Digital Systems. Jim Arnauld and Philip Thompson, Thompson Inc. Inc., Ottawa, Ontario, Canada
Session 4 - Development of a Maintenance Plan for the Intermediate Capacity Transit System. Brian Math, Seaworks Aircraft Ltd., Kingston, Ontario, Canada
Session 5 - Reliability in the Dormant Condition. A.P. Harris, A.P. Harris and Associates, Ottawa, Ontario, Canada

1980 Power Electronics Specialists Conference
June 17-19, 1980, Atlanta, GA

The continuing motivation behind the eleventh annual IEEE Power Electronics Specialists Conference is to bring to a central forum current and specialized component and systems technology, from the three major disciplines (electronics, power, and control) which combine the rapidly evolving field of power electronics. The conference, to be held in Atlanta, GA, June 17-19, 1980, is comprised of six technical sessions (each with seven papers), plus an evening "Rap Session."

Technical sessions will address the current state of the art as well as some of the newly evolving aspects of this challenging emerging discipline. Topics range from circuit synthesis, modeling, analysis, and optimization, to design and application of high power semiconductor devices in power and inverters. An interesting sidelight of this year's conference is the degree of technical transition evidenced by the adaptation of techniques reported in earlier conferences by new authors.

SPEECH: DR. WILLIAM E. SAYLE
School of Electrical Engineering
Georgia Institute of Technology
Atlanta, GA 30332
Telephone: (404) 894-2946

Announcements

Special Issue on Public Speaking to be Published by Professional Communication Society

The March 1980 issue of the IEEE Transactions on Professional Communication will be devoted exclusively to the subject of public speaking for engineers and scientists. It will include several general articles on the preparation and delivery of technical speeches. Some of these articles cover the broad concept of oral communication, while others provide capsule guidelines for one or more specific aspects. In addition, several articles cover special topics such as off-the-cuff talk and the use of microphones. An annotated bibliography listing 178 organizations and publications concerned with speech is also included.

Copies of this special issue will be available from Dr. R. Jorens, IBM Corporation, P.O. Box 1900, Boulder, CO 80302. The price will be $5.00 each in any quantity, and checks should be made payable to the IEEE Professional Communication Society.

Nine New Directors Announced by IEEE

The following five new IEEE Regional Directors have been elected to office to serve a two-year term, starting on January 1, 1980:

Director of Region 1—Northeastern Region: Huns C. Chenery, Data Systems Division, IBM Corporation, Poughkeepsie, NY.
Director of Region 3—Southeastern Region: David C. McLaren, Engineering Administrator, Business Customer Equipment, General Telephone Company of Florida, Tampa, FL.
Director of Region 5—Southwestern Region: Arwin A. Dougall, Professor of Electrical Engineering, The University of Texas at Austin.
Director of Region 7—Canada: Jean Jacques Archambault, Assistant to the General Manager, Engineering, Hydro-Quebec, Montreal, Quebec, Canada.
Director of Region 9—Latin America: Oscar C. Fernandez, Executive Engineer, SICOM, Buenos Aires, Argentina.

Also elected as Vice Chairman of Region 3 was K. Reed Thompson, Manager, Metal Industry Engineering, General Electric Company, Salem, VA.

The following four Divisional Directors, representing technical societies, were elected to serve a two-year term from 1980 to 1982:

Director of Division I: Jose B. Cruz, Jr., Professor of Electrical Engineering, University of Illinois, Urbana, IL. Division I is composed of technical societies serving the following disciplines: Acoustics, Speech, and Signal Processing: Circuits and Systems: Control Systems: Information Theory; and Solid State Circuits.
Director of Division III: Edward J. Doyle, Assistant Vice President, Network Planning, New Jersey Bell Telephone Company, Newark, NJ. Division III is composed of technical societies serving the following disciplines: Aerospace and Electronic Systems: Broadcast, Cable and Consumer Electronics; Communications: Electromagnetic Compatibility: Geoscience Electronics; and Oceanic Engineering.
Director of Division V: Dick B. Simmons, Director, Data Processing Center, Texas A & M University, College Station, TX. Division V consists solely of the Computer Society.
Director of Division VII: James B. Owens, President, Gould-Brown, Revent, Rolling Meadows, IL. Division VII consists solely of the Power Engineering Society.

Those elected by the annual Assembly for one-year terms are:

Vice-President—Educational Activities: Dr. Benjamin J. Leon, Professor of Electrical Engineering, Purdue University, West Lafayette, IN. Dr. Leon also served in this capacity in 1979.
Vice-President—Professional Activities: Dr. Richard J. Gowe, Dean of Engineering, South Dakota School of Mines, Rapid City, SD.
Vice-President—Publications Activities: Theodore H. Bond, Director of the Digital Techniques Laboratory, Sperry Rand Research Center, Sudbury, MA.
Vice-President—Technical Activities: Dr. Larry K. Wilson, Chairman of the Division of Electrical and Computing Sciences and Professor of Electrical Engineering, Vanderbilt University, Nashville, TN.
Vice-President—Technical Activities: Dr. Robert E. Larson, Executive Vice President, Systems Control, Inc., Palo Alto, CA.
Reliability and Maintainability of Electronic Systems

Professional Development Course
April 16–18, 1980, Washington, DC
JAMES E. ARSENault and JOHN A. ROBERTS

Never before has the system engineering process been faced with so many alternative techniques and technologies for use in achieving specified performance. As if these were not problems enough, systems must be designed to perform adequately for long periods (reliability), and when they do fail, they must be designed for rapid repair (maintainability). This highly structured class of systems, for which this training is intended, to meet the needs of the technical community to be fully aware of the state of the art in reliability and maintainability engineering in the life cycle context. The economic impact of reliability and maintainability will be considered, and detailed engineering techniques that must be applied if concrete results are to be achieved will be presented. Throughout, a practical approach to the achievement of system reliability and maintainability within the existing economic framework, to eliminate the gap between theory and practice, will be emphasized.

Outline of Selected Topics
- Life Cycle Cost
- Design Assurance
- Mathematical Modeling
- Part Selection and Specification
- Thermal Design
- Fault Tolerance
- Sneak Circuit Analysis
- Failure Reporting/Analysis/Corrective Action
- Limited Life Items/Spare Parts
- Manuals

This course is intended for maintainability and reliability engineers, system design engineers, and engineering managers, and is based on the book Reliability and Maintainability of Electronic Systems, edited by J. A. Ensenault and J. A. Roberts, a copy of which will be distributed to all participants. Course Fee—$75.

Record Annual Growth Rate Boosts IEEE Membership Past 200,000

New York: The highest one percent gain in membership in its history was experienced in 1979 by the Institute of Electrical and Electronics Engineers, as it passed the 200,000 member mark for the first time. A 5.4 percent membership gain from 1978, including all grades from all geographic regions, was reported for the year ending December 31, 1979. With 202,000 members, the IEEE is the world’s largest engineering society.

While a record 10.9 percent growth rate outside the United States was twice the rate of the U.S., the actual U.S. membership grew nearly three times that of foreign memberships, 7,500 vs. 2,800. Both student and higher grade membership grew at 5.4 percent in 1979. Of total membership, 31,000 are students. Retention, a measure of member renewal, was also at a recent record level of 92 percent for 1979.

Among the 30 technical societies which comprise the Institute, the largest membership gain was in the Computer Society, which had a 13.5 percent increase to 44,000. A total of 213, 300 society memberships were recorded by 56 percent of the total Institute membership, or 1.9 associations per society member.

Commenting on the continued membership growth trend since 1976, following two years of recession-related decline, 1980 Vice President for Regional Activities, Larry K. Wilson, noted that the economic growth in the high-technology industries and recent increases in university enrollments met the needs of the technical community to be fully aware of the state of the art in reliability and maintainability engineering in the life cycle context. The economic impact of reliability and maintainability will be considered, and detailed engineering techniques that must be applied if concrete results are to be achieved will be presented. Throughout, a practical approach to the achievement of system reliability and maintainability within the existing economic framework, to eliminate the gap between theory and practice, will be emphasized.

Address Presented by A. Henry Morgan, Chairman for Public Relations, to the IEEE RAB/TAB Meeting December 6, 1979, in New Orleans, LA

(T)he subject is engineering—about what is an engineer and, perhaps more importantly, about what the public thinks of engineering and what an engineer is. It would certainly be interesting to all of us to know how the public’s view matches or differs from ours. Of course, one cannot speculate on that view without considering what the public’s view is of technology in general. I would suspect the public has a more specific image in mind when they imagine or correct—or of what technology is and what its impact on society, than does the person in his or her practice of engineering as a profession—in terms of his or her social responsibility, intellectual and emotional involvement, or philosophical attitudes.

Regardless of what you may think of yourselves, I suspect you would be shocked at what many of us have found to be the public’s view. They think we are irresponsible, incompetent, polluters, immoral destroyers, insensitive, and stupid to the ways of society. I see some of you are shocked—find what I say unpleasant—but let us look at the same record the public has looked at.

We have designed DC-10’s that crash, automobiles that need to be recalled, military vehicles and bombs capable of destroying civilization in cahoots with some vaguely defined military complex, nuclear reactors like Three Mile Island, and industries that generate waste and pollute. We spend our time going to the moon and avoid the seemingly simple (to them) task of making solar energy economical.

University. “The expanding worldwide ranks of engineering professionals have an underlying need for continued access to state of the art technical information available through the IEEE. We also sense that the expanding awareness of the professional activities of the IEEE and the importance of these programs to the overall success of the individual member are having an impact on membership growth.”

MIT Faculty Position

Junior Faculty Position in reliability and risk analysis applied to nuclear power plants. A strong background in reliability methods, decision analysis, and risk assessment is required. Applicants should have experience in teaching and conducting research in these areas. Write to:

PROFESSOR NORMAN C. RASMUSSEN Department of Nuclear Engineering, 24-102 Massachusetts Institute of Technology 77 Massachusetts Avenue Cambridge, MA 02139

MIT is an Equal Opportunity/Affirmative Action Employer.

We are accused of participating in a conspiracy with big business and aiding and abetting their planned obscenities. We are told our technology shares in the responsibility of “groping up” our beaches because of our taking shortcuts in our desire to construct drilling systems, and that as an alternative for spoiled beaches we offer them coal, strip mining, and soot-filled, girly cars. Our computers invade the public’s privacy and are designed to entrap them.

To the public, we are servants of some soulless clique that abandons still serviceable historic buildings which are warmed by nostalgia and sentiment in whose place stultates slabs of concrete uniform in their tendency to annihilate the soul, while at the same time creating slums and overcrowded cities.

You and I, they say, are interested in technology for technology’s sake—as a profession we are self-serving and in arrogance talk only to ourselves in jargon only we insiders understand—and in this arrogance, we are taking society out of control.

You may think I’m exaggerating to make a point, but you must agree that this is the way we relate to a large segment of the public, and that the public does have a negative bias toward technology. We, as proponents of technology, are tainted by that same bias.

You may have noticed that I keep referring to technology almost as if I were avoiding the word engineer. That is because to much of the public, engineers drive trains and unplag drugs.

An Kossut tells the story about a little boy who was introduced to his new uncle and told that his uncle was a civil
An Invitation To Membership

There is no better time than now to join the IEEE Reliability Society. Membership gives you ready access to meetings and conferences in your areas of interest, and to the prime movers in engineering, science, and business. These Transactions and the Newsletter - both included in your Reliability Society Fee - keep you abreast of the latest developments in your field. You also receive automatically a free copy each of the Proceedings of the: - Annual Reliability and Maintainability Symposium - International Reliability Physics Symposium.

As an IEEE member, you can choose from a wide offering of Standards, products, and services (books, conference records, employment surveys, short courses, and other helpful aids) - all at reduced member rates.

* The age and sex information requested on the application form are for demographic purposes ONLY. The information (or lack thereof) does NOT affect the application at all.

IEEE RELIABILITY SOCIETY FEE: $7.00 PER YEAR

Active local Reliability Society chapters in many locations throughout the United States offer opportunities for your personal professional participation and growth. Association with other Reliability Society members helps you to exchange information and experiences on current technical problems and to learn how others are solving them.

Your membership entitles you to reduced registration fees for activities sponsored or cosponsored by the IEEE or Reliability Society. This could save you more than the cost of annual membership, if you are very active.

Don't wait. Fill out the membership application below and mail it today. If you are already a member of the Reliability Society, show this application form to a colleague - sign up another member. The cost/benefit ratio is terrific.

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The MITRE Corporation has immediate career openings for System Safety Analysts to work on Advanced Civil Air Traffic Control Systems. Responsibilities include:

- Develop safety aspects of design of advanced civil air traffic control automation systems, in context of the overall air traffic control system environment.
- Document safety concepts and assumptions; identify unanswered safety issues; identify necessary safety related activities.
- Review other possibly relevant system safety applications (e.g., communications, metro, space).
- Identify and develop applicable system safety techniques.
- Perform system safety analyses of advanced automation systems.

Candidates should have a M.S. or Ph.D. in operations research, engineering, mathematics or statistics and a minimum of three years experience.

The MITRE Corporation is one of six Federal Contract Research Centers. A nonprofit corporation specializing in systems engineering, MITRE serves the public interest in the areas of national defense, energy and the environment, air traffic control, and information and communications.


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**A Guide to Dues and Fees**

<table>
<thead>
<tr>
<th>Membership Type</th>
<th>Dues and Fees</th>
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</thead>
<tbody>
<tr>
<td>IEEE Membership</td>
<td>$42.00, for all IEEE members where $35.00...</td>
</tr>
<tr>
<td>Reliability Society Fee</td>
<td>$7.00 per year</td>
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<td>Payment Enclosed</td>
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If you are a student, your IEEE counselor or write for Student Membership brochure.

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**APPLICATIONS FOR IEEE MEMBERSHIP**

Please COMPLETE THE FOLLOWING INFORMATION:

- Date of birth: ___________ Month ___________ Day ___________ Year ___________ Male Female
- Were you ever a member of IEEE? ___________ Yes ___________ No
- Grade ___________ Membership Number ___________

- EDUCATION (Highest level completed):
- Name of educational institution ___________

- Course ___________ Degree received ___________ Date ___________

- ENDORSEMENT (Signature of one IEEE member, who knows you professionally):

You May Copy This Page As Often As You Wish

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We are an Equal Opportunity Employer, we welcome responses from minorities, females, veterans, and the handicapped.

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The MITRE Corporation has immediate career openings for System Safety Analysts to work on Advanced Civil Air Traffic Control Systems.