



September 2000

September Section Meeting

New Engineering at NASA and Hubble Space Telescope Update

The **September Section Meeting** will be a presentation by Dr. John Wood from NASA Goddard Space Flight Center. Dr. Wood has been a frequent guest at Susquehanna Section Meetings and has proven to be one of our most popular speakers. He will update us on interesting new Engineering projects at Goddard, and follow with recent news on the Hubble Astronomy project.

Date: **Tuesday, September 12, 2000**

Time: Dinner 6:30 pm
Speaker 7:30 pm

Place: **Chapps At The Hill**
1839 S. Queen Street
York, PA

Dinner Cost:
\$20 (Members/Non-members/Retirees)
\$12 (Students)

Contact:
AB Shafeei
TEL: 948-6349
FAX: 948-6352
E-mail: m.shafeei@ieee.org

**by September 5, 2000 for Dinner
Reservations.**

Note: Dinner no-shows will be charged if not canceled by September 5th. Also, we cannot guarantee late dinner reservations. There is no charge for attending the speaker session.

See map on reverse side.

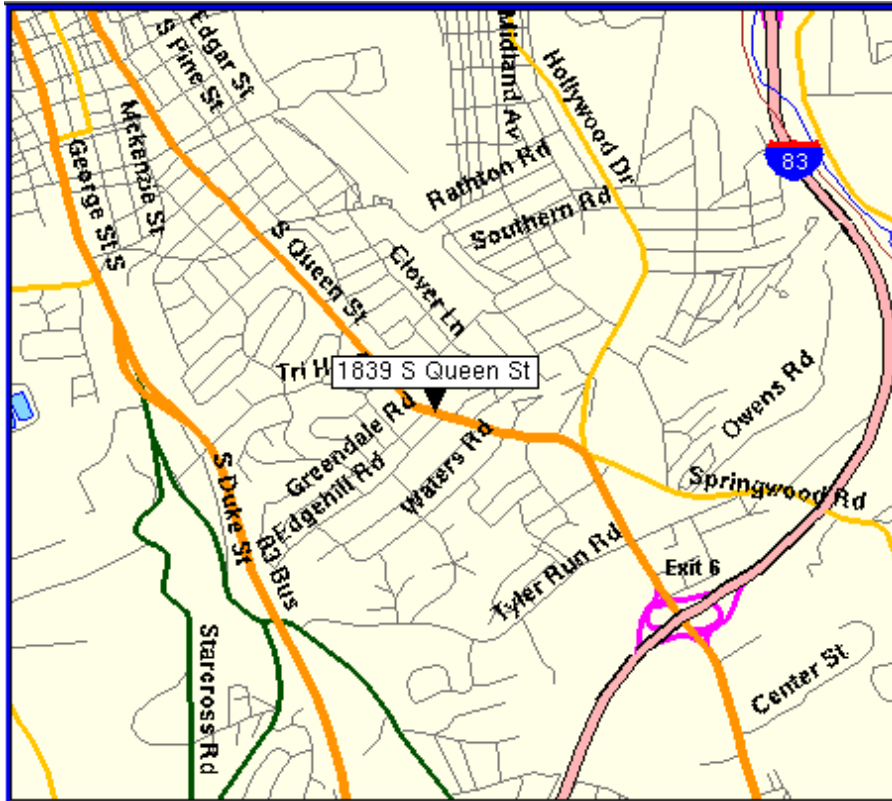
DR. H. JOHN WOOD

Dr. H. John Wood, Ph.D., is an astronomer and serves as an optical engineer for the Optics Branch at Goddard Space Flight Center. Since June 1990, he has been Optics Lead Engineer on the Hubble Space Telescope (HST) Project. He led the team that successfully determined the prescription of HST while on orbit. He then led NASA's effort to develop and test the corrective optics for HST. In addition to Hubble, he currently manages the Instrument Synthesis & Analysis Laboratory for new instrument engineering design at Goddard.

A graduate of Swarthmore College, Dr. Wood earned the M.A. and Ph.D. in Astronomy from Indiana University. In addition to the Hubble Project, he has been Lead Optical Engineer for the Mars Observer Laser Altimeter and the Diffuse Infrared Background Experiment aboard the Cosmic Background Explorer. Earlier he was assistant to the director at Cerro Tololo Interamerican Observatory in Chile. He held a Fulbright Research Fellowship for two years at The University Observatory in Vienna, Austria. He also served five years as a staff astronomer at the European Southern Observatory in Chile. His career began with six years on the astronomy faculty of the University of Virginia at Charlottesville. He has been at Goddard Space Flight Center for 16 years.

We welcome Dr. Wood again to speak at the Susquehanna Section of IEEE.

DIRECTIONS TO CHAPPS ON THE HILL



Advertisement: Engineer Wanted

CHAR Services, Inc. in Lebanon, PA is looking for EE or EET Recent Graduate to train in the area of Electromagnetic Interference. Work includes frequent travel around the United States for short durations. Strength in Electromagnetics Fields and Instrumentation desirable. Military electronics experience highly desirable. Contact Richard Meininger: richardm@emifix.com or fax 717-273-8931.

Advertisement - Part-Time Instructor Wanted

Penn State Harrisburg, Capital College School of Science, Engineering and Technology, is seeking a part-time instructor to teach electrical/electronics engineering courses during Fall Semester, 2000 in one or more of the following disciplines: control system analysis & design, electric transients, system theory, computer architecture, microcomputers, engineering electromagnetics. Masters degree required, Ph.D. preferred. Please send letter of interest with resume and three references to: Chair, Engineering Search, Mrs. Dorothy J. Guy, Manager of Human Resources, Penn State Harrisburg, Box EET/EE, 777 West Harrisburg Pike, Middletown, PA. 17057. Penn State is committed to affirmative action, equal opportunity, and the diversity of its workforce.

News From the Committees

GOLD VOLUNTEERS NEEDED

Announcing a new program being established in our local section...

The GOLD (Graduates of the Last Decade) program is now forming in our area. This program is tailored to recent IEEE graduates and is useful for making the transition from student to professional. The GOLD program will provide activities such as local job fairs, financial planning seminars, career development workshops, as well as other social activities (sometimes non-work related). There are many other "perks" that the IEEE will provide to you as a member of GOLD.

YOUR HELP IS NEEDED! In order to start a GOLD program within this area we need at least 6 signatures of current IEEE members who would be interested in becoming a member of GOLD. There is no extra charge to become a GOLD member and the local section will actually benefit from having this "branch" of our section. If anyone is interested, and would like more information you can contact Craig Clewell at (717) 938-7486, or by email: cwc@ieee.org.

PROJECT MANAGEMENT COURSES

Management Concepts, a global leader in project management training, is offering classes to IEEE members at a special 10% discount. These 3 to 5 day courses are awarded Continuing Education Units making it ideal for fulfilling professional obligations. Courses are held at a variety of locations and times during the year. A total of 35 Project Management courses are offered, including Project Management Principles, Leadership and Communication Skills, Managing Multiple Projects, and Negotiation. To register or for full course selection and schedules visit www.managementconcepts.com or call 1-800-232-9096. On the Web site, click on Project Management for details.

IEEE Power Engineering Tutorial

Four Experts from Rensselaer Polytechnic Institute are the presenters for a new tutorial from IEEE, Principles of High-Voltage Engineering. This tutorial is ideal for design engineers, users, purchasing officers, operations managers, technicians, and electrical engineering or physics students concerned with high voltage equipment.

The tutorial combines lecture, PowerPoint references, and onsite Electric Power Engineering Dept. lab demonstrations to illustrate the high-voltage principles. It is divided into four subject categories: Basic Principles of Electric and Magnetic Fields, Basic Principles of Switching, Transient Voltages in Windings, and Insulation Materials and Dielectric Design. Integrated into the Insulation Materials and Dielectric Design portion of the tutorial are field visits to EPRI Delivery and Utilization Center at Lenox, Massachusetts.

Principles of High-Voltage Engineering is available as a four videotape package, interactive CD-ROM or by video-streaming from the IEEE Video-On-Demand website. All formats can be ordered from the IEEE Customer Service Department, 1-800-678-4333, or on the Web at <http://shop.ieee.org/store/>. On the Web, use the search tool and look at product numbers HV7045 or HV7046 for videotape, EW129 for Web product or EC126 for CD-ROM.

Other IEEE Educational Activities can be located on www.ieee.org/eab.

Advertisements

- Card size: \$15/month.
- Page: \$75/month.

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