

CHALLENGING CAREER OPPORTUNITIES

Rerouting Electronic Currents in Solids

Information processing requires the control of current paths through solids. A number of established technologies can be used to effect this control. The IBM Thomas J. Watson Research Center is taking a new look at this problem to find the physical interactions which can deliver this control with the highest possible speeds allowed by laws of nature.

This work will offer inventive people an opportunity to make really important advances. Inquiries are welcome from theoreticians as well as from those whose main concern is with problems of materials in making exceedingly small but well-controlled exploratory structures. IBM is an Equal Opportunity Employer. Applicants should possess an advanced degree or equivalent experience.

Please write, outlining your experience, qualifications, and background, to:

John B. Farrington,
Dept. 640x1

Thomas J. Watson Research
Center

P. O. Box 218

Yorktown Heights, New York

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quiries should be addressed to The Secretary, British Nuclear Energy Society, 1-7 Great George Street, London, S.W. 1, England.

Space Spectroscopy

California Institute of Technology will be the host institution for a symposium on quantitative spectroscopy and selected applications in space science, which will take place March 20-22. Joint sponsors of the meeting will be Caltech, the Jet Propulsion Laboratory of the National Aeronautics and Space Administration, the Advanced Research Projects Agency, the Air Force Office of Scientific Research, the Air Force Cambridge Research Laboratories, the Office of Naval Research, and the Institute for Defense Analysis. Attendance will be by invitation only.

Six sessions, composed entirely of invited papers, will consider the following topics: (1) absolute intensity measurements in heated gases, (2) experimental and theoretical studies on absolute intensities, (3) spectral line shapes, (4) telluric spectroscopy, (5) planetary spectroscopy, and (6) stellar and cosmic spectroscopy.

Requests to attend should be addressed to Dr. Arthur R. Laufer, Chief Scientist, Office of Naval Research, 1030 East Green St., Pasadena, Calif.

Metal Films

Sorption properties of vacuum-deposited metal films will be the topic of a conference to take place at the University of Liverpool from April 17 to 19, 1963. Sponsored by The Institute of Physics and The Physical Society in collaboration with the Joint British Committee for Vacuum Science and Technology, the meeting is intended to stress the scientific aspects of the subject rather than detailed techniques. Suggested main topics include structure and properties of metal films, sorption and chemical reactivity properties of metal films, reaction between ionized gases and metal surfaces, and application of scientific principles to pumping by metal surfaces.

There will be a number of invited papers covering recent work in the field, and offers of contributed papers are invited. Prospective contributors should submit three copies of 100-word abstracts, not later than December 1, to Dr. J. H. Leck, Department of Electrical Engineering, The University of Liverpool, Brownlow St., Liverpool 3, England. Further details about the conference and application forms will be available in January 1963 from the Administration Assistant, The Institute of Physics and The Physical Society, 47 Belgrave Square, London, S. W. 1, England.

Applied Spectroscopy

The Chicago Section of the Society for Applied Spectroscopy, in cooperation with six other sections of the Society, will sponsor the 14th Annual Mid-America Spectroscopy Symposium at the Sheraton-Chicago Hotel



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