

POLYMER PHYSICIST (Materials Scientist)

Ph.D. with 0 to 10 years' experience to join basic research group concerned with the relationships of physical structure to micromechanics of deformation and fracture of high polymers and polymer composite systems. A background in rheology is desirable.

The position is at Shell Development Company's Emeryville Research Center, located in the San Francisco Bay area. Please send a complete résumé to F. H. Douma, Box AD.

EMERYVILLE RESEARCH CENTER

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MEETINGS

Biophysical Society

Membrane structure, new methods and techniques in biophysical research, and muscular contraction will be the main subjects of the tenth annual meeting of the Biophysical Society, to be held February 23 to 25 at the Statler Hilton Hotel in Boston. Further information can be obtained from Dr. Jordan Baruch, Bolt, Beranek, and Newman, Inc., 50 Moulton Street, Cambridge, Mass. 02138.

Generalized networks

Extension of network theory into areas of science and technology beyond R-L-C circuits will be the topic of a symposium to be held April 12 to 14 in New York City by the Microwave Research Institute of the Polytechnic Institute of Brooklyn. The meeting will have the cosponsorship of the Air Force Office of Scientific Research, the Office of Naval Research, and the Army Research Office, and the cooperation of the Institute of Electrical and Electronics Engineers, the Optical Society of America, and the Society for Industrial and Applied Mathematics.

Topics suggestive of the symposium's scope include network theory of distributed structures, network representations in electromagnetic theory, optical systems as networks, translation of physical laws into constraints on network realizability, networks as thermodynamic systems, network formalism in quantum-mechanical systems, new attacks on classical network problems, and network representations of biological systems.

Contributions will be considered until January 1. All correspondence should be addressed to Jerome Fox, Secretary, Symposium Committee, Polytechnic Institute of Brooklyn, 333 Jay Street, Brooklyn, N.Y. 11201.

Frequency control

The US Army Electronics Command will sponsor the 20th annual frequency control symposium from April 19 to 21 at the Shelburne Hotel in Atlantic City. Papers are solicited on

quartz-crystal devices and their application to frequency control and selection, piezoelectric resonators, oscillator and frequency synthesis circuits, fundamental properties of quartz, atomic and molecular resonance devices, and related topics. Inquiries regarding the meeting should be addressed to the Director Electronic Components Laboratory, US Army Electronics Command, Attention: AMSEL-KL-ST (M. F. Timm), Fort Monmouth, N.J. 07703.

AGU

Two-thousand members of the scientific sections that make up the American Geophysical Union are expected to meet April 19-22 in Washington, D.C., for the AGU's 47th annual meeting. The program will cover all major areas of geophysical research, including seismology, meteorology, oceanography, hydrology, geodesy, geomagnetism and aeronomy, volcanology, geochemistry, tectonophysics, petrology, and the space sciences. Further information is available from Waldo E. Smith, American Geophysical Union, 1145 Nineteenth Street, NW, Washington, D.C.

Radiation research

Physical, chemical, and biological effects of ionizing radiation on living organisms, particularly at the cellular and subcellular levels, will be the topic of the third international congress on radiation research, to be held June 26 to July 2 in Cortina d'Ampezzo, Italy. The meeting will be sponsored by the International Association for Radiation Research. The National Academy of Sciences and the Radiation Research Society are exploring the possibilities for providing partial travel support to qualified US participants. Application forms (due by February 1) can be obtained from the Ad Hoc Committee on Travel Grants, National Academy of Sciences, NAS-273, 2101 Constitution Avenue, Washington, D. C. Further information concerning the Congress can be obtained from Dr. G. Silini, Secretary-General, Third International Congress on Radiation Research, Casella Postale 2359, Rome, A-D, Italy.