

NBS Technicalendar

U.S. DEPARTMENT OF COMMERCE
National Bureau of Standards

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The NBS Technicalendar is issued weekly on Thursdays covering events scheduled for the following week. Listed are activities of interest primarily to the NBS staff. Items for inclusion should be in writing in proper format (see format of items listed herein) and **MUST** be received by **noon on Wednesday**. Items to be included and requests for copies of this calendar should be sent to Room A607, Administration Building, attention Mrs. Betty L. Burris, Editor or Mrs. Dorothy W. Shankle, Asst. Editor (Phone: 301-921-2264).

All lectures and meetings are open unless otherwise stated.

October 15 to October 19, 1979

MEETINGS AT THE NATIONAL BUREAU OF STANDARDS

Gaithersburg, Maryland

NBS COLLOQUIUM
Green Auditorium
October 19, 1979
10:30 a.m.

"Thermodynamics of Aqueous Electrolytes--Recent Theories and Areas of Practical Application"

Professor Kenneth F. Pitzer
Department of Chemistry
University of California/Berkeley

The field of aqueous solutions of electrically charged particles is one of renewed practical importance for industrial and environmental reasons. Also, there are special factors of theoretical interest, which were treated by Debye and Hückel in 1923 for very dilute solutions, but are only now being adequately considered for higher concentration.

The general nature of these theoretical advances will be reviewed as well as the forms which the theory suggests for use in thermodynamic calculations. The properties of solution continuously miscible from fused salts to dilute aqueous electrolytes will be considered as well as the more extensive information concerning solution of high, but limited, concentration.

NBS contact: W. Kirchhoff, 921-2711

10/15--Monday 10:30 a.m. PROCESS CONTROL SEMINAR: Microprocessor Architecture for Process Control and Electronic Properties Measurements, R. J. Pfeifer, Accuray Corp., Columbus, OH and Dr. S. G. Bishop, Naval Research Laboratory
Thomas Sheahen, 921-3565.) of Amorphous Semiconductors"

For further information, call M. Kimmel, 454-3946.

TALKS BY NBS GAITHERSBURG PERSONNEL

- COLLÉ, R.: "Treatment and Reporting of Uncertainties for Environmental Radiation Measurements," 23rd Oak Ridge Nat. Laboratory Conference on Analytical Chemistry in Energy Technology, Gatlinburg, TN, 10/10/79.
- COOK, L. P.: "Liquidus Discontinuities - Possible Evidence for Interfacial Equilibrium," The American Ceramic Basic Science and Nuclear Divisions, New Orleans, LA, 10/17/79.
- ELIASON, L. K.: "The Law Enforcement Standards Laboratory Program," Fourth International Conference on Special Equipment for the Police, Lakeside Hotel, Canberra, Australia, 10/19/79.
- FIVOVZINSKY, S. P.: "Evaluation of Numeric Data Bases in the Physical Sciences," ASIS Workshop on the Use and Management of Numeric Data Base Services, 42nd Annual Meeting of the American Society for Information Science, Minneapolis, MN, 10/14/79.
- HANAMURA, S.: "Species Analysis in Coal Samples" and "High Purity Reagents in Chemical Analysis," U.S.-Japan Symposium on SRMs, The Japan Society for Analytical Chemistry, U. of Nippon, Dept. of Engineering, Koriyama City, Japan, 10/7-9/79.
- MOLDOVER, M. R.: "Interface Phase Transitions: Complete-to-Partial Wetting and Others," Institute for Physical Science of Technology Seminar, Molecular Physics Conference Room, U. of Maryland, College Park, MD, 10/16/79.
- MOODY, J. R.: "Preparation and Analysis of Pure Reagents," Analytical Seminar, Dept. of Analytical Chemistry, U. of Maryland, College Park, MD, 10/12/79.
- NAGEL, R. N.: "Industrial Robots in Advanced Manufacturing Systems," ORSA/TIMS - Joint National Meeting, Operations Research Society of America, Marc Plaza Hotel, Milwaukee, WI, 10/12/79.
- PIELERT, J. H. (Co-Author: J. C. G. ...)