



February 2011

SAS ORGANIZED TECHNICAL SESSIONS AT PITTCON

SUNDAY EVENING – March 13

SAS POSTER SESSION – Session 190

Sunday posters will be on display from 3:30 - 7:30 PM with authors present from 5:30 PM to 7:30 PM.

Room 412, Thomas B. Murphy Ballroom

(190-1 P) Laser Beam Profile Influence on Double Pulse Laser Ablation

VASILY LEDNEV - General Physics Institute, Segey Pershin, Vladislav Luk'yanchenko, Alexey F Bunkin

(190-2 P) Dissolution Studies of Bismuth-Containing Stomach Relief Suspensions

MARCUS A HARRISON - Kennesaw State University, Koether C Marina

(190-3 P) New Method for Micro-FTIR Sample Preparation

MARY L STELLMACK - McCrone Associates, Anna S Teetsov

(190-4 P) Quenching of Naturally Occurring K-40 Cerenkov Radiation by Chromophores in Aqueous Solutions as Analytical Technique

EDGAR A CORONEL - Universidad Mayor de San Andres

(190-5 P) Induced Fluorescence Detection of Biological Warfare Agents Using Ultraviolet Light Emitting Diodes

ERIC LYNCH - General Dynamics ATP

(190-6 P) Analysis of Dye-Halide Interactions for the Development of an Aqueous Halide Indicator

HEATHER ROBISON - The Ohio State University, J Clay Harris, Noel Paul

(190-7 P) Anatomy of Human Hair: Considerations for Hair Analysis

KATHRYN S KALASINSKY, Armed Forces Institute of Pathology

(190-8 P) The Determination of Acid Dissociation Constants for Caffeine and Salicylic Acid Using UV/VIS Spectroscopy

HAIFA KHAN - Kennesaw State University, Marina C Koether

TUESDAY AFTERNOON – March 15

SYMPOSIUM – Session 1030 – *Alternative Mass Spectrometers for Elemental Analysis*

(*Society for Applied Spectroscopy*) arranged by Gary M Hieftje, Indiana University

Room 314 – Gary M Hieftje, Indiana University, Presiding

2:00 Introductory Remarks - Gary M Hieftje

2:05 (1030-1) A New Time-of-Flight Mass Spectrometer for Glow-Discharge Analysis

NORBERT JAKUBOWSKI - BAM, Agnez Tempez

2:40 (1030-2) **Distance-of-flight Mass Analysis: A New Tool for Atomic Spectrometry**

CHRISTIE G ENKE - University of New Mexico, Steven J Ray, Alexander W Graham, Elise A Dennis, Gary M Hieftje, David W Koppenaal, Charles J Barinaga, Anthony J Carado

3:15 (1030-3) **Development and Use of Orbital Trapping Techniques for Elemental Analysis**

DAVID W KOPPENAAAL - Pacific Northwest National Laboratory, Anthony J Carado, Martin Liezers, Charles J Barinaga

3:50 (1030-4) **High-Resolution, High-Sensitivity Mass Analyzers for ICP-MS**

LOTHAR ROTTMANN - Thermo Fisher Scientific

4:25 (1030-5) **Array Detectors for Truly Simultaneous Mass Analysis**

GARY M HIEFTJE - Indiana University, Jeremy A Felton, Steven J Ray, Alexander W Graham, Gregory D Schilling, David W Koppenaal, Charles J Barinaga, Medona B Denton, Roger P Sperline

WEDNESDAY MORNING – March 16

SYMPOSIUM – Session 1330 – *Infrared Spectroscopy at High Speed: From Milliseconds to Picoseconds (Society for Applied Spectroscopy)* arranged by Peter R Griffiths, University of Idaho

Room 314 – Peter R Griffiths, University of Idaho, Presiding

8:00 **Introductory Remarks - Peter R Griffiths**

8:05 (1330-1) **Infrared Imaging of Cellular Processes in Real Time**

LISA M MILLER - Brookhaven National Laboratory, Megan W Bourassa, Randy J Smith

8:40 (1330-2) **Picosecond Time-Resolved Infrared Spectroscopy in Conventional and Supercritical Fluids**

MIKE GEORGE - University of Nottingham

9:15 (1330-3) **Ultrafast IR Photon Time of Flight**

ERIC B BRAUNS - University of Idaho

9:50 (1330-4) **Time-Resolved Infrared Spectroscopy Using Focal Plane Arrays**

JOHN F RABOLT - University of Delaware

10:25 (1330-5) **Stopped-Flow Studies of Inorganic Reactions with an Ultra-Rapid-Scanning FT-IR Spectrometer**

PETER R GRIFFITHS - University of Idaho, Matthew Reback, Rachel Faulkner, Thomas E Bitterwolf

SAS Meetings at Pittcon – Locations to Be Determined

Sunday March 13

Executive Committee Meeting, 8:00 a.m. – 4:00 p.m.

Monday March 14

Editorial Board Meeting, 8:00 a.m. – 10:00 a.m.

Publications Committee, Noon – 2:00 p.m.

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February Historical Events in Spectroscopy by Leopold May, Catholic University

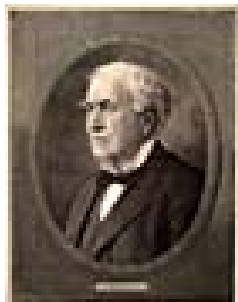
February 1946 The first issue of Bulletin of the Society for Applied Spectroscopy (precursor of *Applied Spectroscopy*) was published in 1946.

February 3, 1890



Paul Hermann Scherrer, who co-invented the Debye-Scherrer X-ray technique for studying the structure of polycrystalline materials, was born on this date. He obtained crystallographic evidence that simple salts are composed of charged species in the solid state, observed the fibrous structure of celluloses, determined the structure of various complex salts and proved they were in accordance with the ideas of Werner.

February 11, 1847

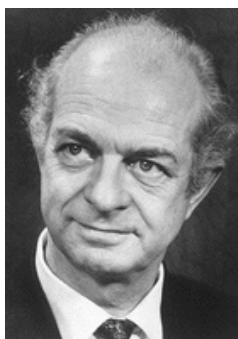


Thomas A. Edison, the inventor with over 1000 patents, was born on this day. Among his inventions was the incandescent lamp.

February 16, 1955

F. P. Bundy, H. T. Hall, H. M. Strong, and R. H. O. Wentoff announced the synthesis of diamonds at GE Research Laboratories on this day.

February 28, 1901



Linus C. Pauling, who received two Nobel Prizes, was born on this date. He received the Nobel Prize in Chemistry in 1954 for his research into the nature of the chemical bond and its application to the elucidation of the structure of complex substances. The Nobel Prize in Peace was awarded to him in 1962.

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