



SciX 2022 Hotel Booking

Registration and hotel bookings are open and have already passed, make sure to [book your hotel](#) no later than 16 SEPTEMBER for the discounted nightly rates. SciX is the national meeting for SAS, so don't miss out on honoring awardees and seeing colleagues in person at in Cincinnati!



Wiley IR and Raman Webinar Series with Curt Marcott: 13–14 September 2022

10-11:00 am EDT, 7-8:00am PDT

Using IR and Raman Databases to Help Solve Real-World Chemical Problems

Join us for a two-part webinar series on the effective use of IR and Raman searching.

Sign up for both or choose a session that works best for you during this two-day series! Register today!



Get information on how Infrared (IR) and Raman database searching can help you solve real-world chemical problems involving polymers and polypeptides (Part I) and microcontaminants (Part II). Dr. Curt Marcott, of Light Light Solutions, will present two diverse sessions on IR and Raman database searching, based on his extensive experience and applications in various subjects.

Key Points:

- Know the importance of ascertaining as much information as possible about the use of database searching.
- Learn what actions you can take to solve chemical identification problems with information from spectral libraries.
- Apply these strategies to provide key insights into the analysis of polymeric materials and protein-containing samples.

- Using search strategies to help identify microcontaminants whose spectra are often highly overlapped with an IR-absorbing matrix.

To register: <https://events.bizzabo.com/415870?promo=SASandtr=true>

SAS ECIG September News

The Early Career Interest Group (ECIG) has organized two special sessions at SciX 2022 that will be of particular interest to students and early career scientists. ECIG has invited eight scientists from academia, industry, and government labs to speak about their early-career work experiences as well as to talk about their ongoing work. Both of these special sessions will be held on the afternoon of Tuesday, 4 October 2022 at SciX, and each concludes with a twenty-minute round table discussion amongst the session's presenters. An overview of these sessions is provided below. All attendees of SciX are welcome to join us, to bring questions, and to show support of early-career scientists.

22CTP/EARLY03: Navigating Challenges to Achieve Success as an Early Career Spectroscopist, Part 1

Chairs: Fay Nicolson and Andrew Whitley (1:30–3:10 p.m.)

My Transatlantic Transition from Post-Doc to Professor, *Samuel Mabbott*

Academic-Industrial Collaboration: Bringing New Imaging Frontiers for Pharmaceutical Processes, *Prabuddha Mukherjee*

Scientists at Proctor and Gamble (P&G), *Stefania Perticaroli*

They Do Research at the FDA? How to Survive and Thrive in a Regulatory Research Environment, *Betsy Yakes*

22CTP/EARLY04: Navigating Challenges to Achieve Success as an Early Career Spectroscopist, Part 2

Chair: Benjamin Manard (3:50–5:30 p.m.)

Recent Applications of Laser-Induced Breakdown Spectroscopy at Oak Ridge National Laboratory, *Hunter Andrews*

Use of molecular emission by LIBS for Fluoride imaging in epidemiology, *Mauro Martinez*

From Planets to Plasmas: The Career Journey of a Geochemist, *Alicia Cruz-Urbe*

Presentation Title TBD, *Jennifer Morgan*



Eastern Analytical Symposium

Registration is open! The 2022 Preliminary Program is now available. Check out what is happening at the in-person symposium and exposition! We have a great line up of technical sessions, short courses, special lectures, workshops, and student seminars, including many organized and authored by SAS members. The list of exhibitors continues to grow as well as the fun activities! [Register by 15 October](#) for discounted rates. Check out the [preliminary program](#) or view the conference in miniature in the September 2022 issue of *Applied Spectroscopy*.

Travel Grants for SciX 2022 and PITTCON 2023

SciX 2022 is coming up fast! Don't forget that the Coblenz Society awards Travel and Childcare Grants for early-career professionals to assist in defraying the cost of travel to SciX and other conferences. The application deadline is 15 August for fall and winter conferences and 15 January for spring and summer conferences. For more details, see the Society website's [Grants and Scholarships page](#).

Next-Generation Spectroscopic Technologies XV Call for Papers

The Committee and Chairs of the Next-Generation Spectroscopic Technologies Conference at SPIE.DCS happily announce that after a year's hiatus, the NGST Conference is currently soliciting for abstracts for the upcoming meeting in Orlando, Florida, from 30 April–4 May 2023. The overall emphasis in this conference is on advanced technologies for spectroscopic instrumentation, particularly for miniature, portable and wearable instruments, but also including novel spectroscopic sources used in the laboratory and process applications (e.g., QCL, ICL, supercontinuum). The scope focuses on the optical region: UV-visible, infrared, near-infrared, terahertz, and Raman molecular techniques. However, it also includes advances enabling miniature and portable spectrometers across the electromagnetic spectrum, including X-ray fluorescence, laser induced fluorescence, laser induced breakdown spectroscopy (LIBS), nuclear magnetic resonance and mass spectrometry.



The conference includes papers describing breakthrough, novel, recently introduced, and commercial instrumentation; also, the rapidly emerging fields of portable and handheld hyperspectral imaging, multispectral sensors incorporated in consumer goods and wearables, smartphone spectroscopy, citizen spectroscopy, with cloud-based collection and processing of data from those instruments.

Abstracts are due by 19 October 2022, with authors being notified of acceptance by 16 January 2023. [Submit an abstract here](#).

Questions about the Conference or possible topics to submit can be directed to the Conference Chairs, Richard Crocombe (racrocombe@gmail.com) or Luisa Profeta (luisaprofeta@gmail.com).

***Applied Spectroscopy Practica* is coming!**

The Society, with its publishing partner SAGE, is launching a companion journal: *Applied Spectroscopy Practica* in March 2023. *Practica* is an Open Access journal focused on the publication of practical applications of a previously or currently developed field or theory. Keep an eye on your inbox and social media feeds for more information and on this new product from SAS.

Travel Grants for PITTCON 2023

With SciX right around the corner, PITTCON is not far away either. Don't forget that the Coblenz Society awards Travel and Childcare Grants for early-career professionals to assist in defraying the cost of travel to SciX and other conferences. The application deadline is 15 January each year for spring and summer conferences. For more details, see the Society website's [Grants and Scholarships page](#).

SAS Membership Committee Needs Your Help

The SAS Membership Committee is seeking marketing/communication minded members as we embark on the next level of SAS membership campaigns. If you are interested in helping grow SAS, please email adam.hopkins@metrohmusa.com

NY/NJ SAS Monthly Seminar Series (Online)

Date: 29 September 2022

Time: 12:00–1:00 p.m. EDT

URL: <https://us02web.zoom.us/j/88166751590?pwd=ZG5aZk9DT3FTSitzWVkwL0hvZkhHdz09>

Meeting ID: 881 6675 1590

Passcode: 552375

Speaker: Alex Mattingly, Chemlink Product Scientist, Kennesaw GA

Title: Solid State Peroxide and pH Determination by Near Infrared Spectroscopy

Abstract: This presentation will analyze how Near Infrared Spectroscopy can be utilized to quantify a variety of chemical characteristics in solid state mixtures; peroxide content and pH are highlighted, but others will also be examined in some detail. To build quantitative models capable of such analysis, a specific sample preparation regime was developed which can be modulated depending on the chemical species in question. This, combined with the power of NIRS and data manipulation software, allows results with high degrees of accuracy and precision, as well as a large increase in efficiency. Industrial application of these systems and techniques can affect advantages for those interested in broad-based modes of quantitative analysis.

Speaker Bio: Alex Mattingly received his BS in chemistry from Kennesaw State University and is studying for a second degree in electrical engineering. With Atlanta-based Chemlink Laboratories, he has worked on a variety of original research and quality control-based spectroscopy projects, centering on chemical modelling for Near Infrared Spectroscopy. In his free time, he enjoys playing and teaching music, as well as hiking and cycling.

Do you have something spectroscopy-related you want to discuss in the newsletter? Or something that will help our membership such as career tips or application tips? Please let us know by emailing luisaprofeta@gmail.com.

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