



Coblentz Society Panel Mentoring Event

The Coblentz Society is hosting a virtual mentoring panel discussion of what it is like to work in different industrial, academic, and government areas. The event will take place via Zoom on Thursday, 25 April at 12:00 PM (EST).

Panel members will offer views on what it is like to work in their field and answer questions from the audience. The panelists' bios will be provided to participants prior to the event, so participants may review their backgrounds and formulate questions. Questions may be submitted prior to the event, during the registration process, or via live chat during the Zoom discussion. The event will begin with panel introductions and then proceed to the pre-submitted and live chat questions.

Our last mentoring panel event included panelists from Proctor & Gamble, Dow Chemical, Merck, RedWave Technology, Food and Drug Administration, and Savannah River National Lab, as well as several consultants and a university professor/entrepreneur. Reviews of our live mentoring events are always very positive, but we reach a limited audience at conferences. Take advantage of this virtual event!

Register now at : <https://members.coblentz.org/event-5619416>

Questions? Contact John Rydzak (jim.rydzak@specereconsult.com) or the Coblentz Society office (office@coblentz.org).

John Rydzak and Mary Carrabba, Coblentz Society



Early Career Interest Group – Seeking Webinar Speakers

Would you like to assist early career scientists by sharing your personal perspective with them? If so, the Early Career Interest Group (ECIG) would like to hear from you! The ECIG is currently planning a series of webinars that will focus on topics that were selected by its members. We are continuing to seek out additional speakers who are interested in sharing their advice on the following topics:

1. Time and Project Management
2. Dealing with Imposter Syndrome
3. Protecting your Intellectual Property and Commercializing your Ideas
4. The Peer Review Process

Speakers should anticipate speaking for 15-30 minutes. These webinars will be recorded and made available online.

If you are interested in speaking for one or more of these webinars, please email exdir@s-a-s.org as soon as possible. Those responding by 15 March will be given first consideration. In your email, please include the following information:

Name
Current position
Email address
Topic(s) interested in speaking about
Very brief description on expertise relevant to the topic

Anthony Stender, SAS Early Career Interest Group

2024 Student Slam Coming in May!

Dear Fellow Spectroscopists,

We are pleased to announce, based on last three very successful Graduate Student Slam Presentations (aka Elevator Talks or 3-minute Thesis Presentations) we are doing a repeat performance for 2024! The first three events resulted in outstanding presentations from across the world with 42% of presentations from USA and Canada with the other 58% from Europe. So far, we have had 56 talks from 11 countries, 29 universities, and one high school.

The presentations are aimed not only to encourage graduate students to participate but also to showcase talent in spectroscopy to potential future post-doctoral advisors and future employers who will be attending this exciting event. What is new for 2024—as well as the 3-minute pitches from Graduate Students we will have one-minute pitches from potential future post-doctoral advisors and future employers and we welcome contributions to present opportunities to the talent that will be presenting.

This opportunity was initiated by the New England and New York Sections of SAS as well as the Coblenz Society and is supported by other Societies. The 2024 event is virtual and open to all to attend.

The format for student talks will encompass 20 selected presentations designed to be 'elevator talks' which will last only three (3) minutes each. Yes, that is correct, three minutes. The goal is to engage up to 20 graduate students in a one-hour time slot to cover a high-level summary of their research. This is a great opportunity to network and get their research out into the open, be comfortable giving an overview of their work, especially for beginning graduate students, and is useful if preparing for a poster or oral presentation at any upcoming conference that they plan to attend in 2024. We will select up to 20 presentations and provide to all who dial-in to the virtual session on **23 May at 12:00 PM (EST)** a list of the speakers' names, title of their presentation, academic affiliation, advisor, and their anticipated graduation timeframe. Once the speaker is introduced, they will have three minutes to summarize their work. A 30-minute session will provide opportunities for one-minute presentations for potential employers and an open question session will follow after the completion of all presentations.

Please submit your abstract and the entire form [here](#) by 30 April 2024.

A committee will select the speakers and will work to ensure that as many universities as possible will be represented. Depending on turnout and success of this event, we may offer it again in the next few months to accommodate more presenters. In addition, an award will be given to the best overall presentation.

John Rydzak, Coblenz Society

PODCAST: Using Reference Standards for Spectroscopic Measurements

Check out this [podcast](#) featuring our very own SAS members, Jerry Workman and Art

Ellen Miseo, SAS Secretary

Your copy should address 3 key questions: Who am I writing for (audience)? Why should they care (benefit)? What do I want them to do (call-to-action)?

Create a great offer by adding words like "free," "personalized," "complimentary," or "customized." A sense of urgency often helps readers take action, so consider inserting phrases like "for a limited time only" or "only 7 remaining!"

96 Years of Illuminating Science: Commemorating the Discovery of Raman Scattering

During a long voyage through the Mediterranean, C. V. Raman developed a keen curiosity in the underlying phenomenon that causes the blue color of the sea. This curiosity led him to embark on yet another voyage, a scientific career devoted to investigating light scattering.

Early in the 20th century, Raman and his student K. S. Krishnan used a telescope objective to collect as much optical radiation from the sun as possible. By filtering out all but the violet region of the spectrum to pump purified liquids, the researchers observed that scattered radiation frequency shifted with respect to the pump appeared upon exciting the sample – a process widely known as the Raman effect. Because this “new type of light” results from an interaction between photons and molecular vibrations, it reveals the composition of matter, thereby enabling a myriad of applications: from the depths of mineralogy to the frontiers of clinical diagnostics.

Because the Raman effect paved the way for revolutionary advancements, forever altering the course of science, here at SAS we pay a tribute to this achievement by remembering that Raman and Krishnan published their seminal paper on the discovery of the Raman effect on the 31 March 1928.

Alejandro De La Cadena Perez Gallardo, Newsletter Committee Member



C.V. Raman holding a high-numerical aperture objective by [Richard C. Prince and Eric O. Potma](#).

Current SAS Contact Information

Our phone number is: 518-313-1160

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Our general office email is: sasadmin@s-a-s.org

Our mailing address is:
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Our online services are at: www.s-a-s.org

Gloria Story, 2024 SAS President

Boost your Trivia Game Performance with a bit of SAS History

In the next few months, I will be writing articles that discuss the volunteer opportunities in SAS so the members are aware of the various ways in which they can become more involved in the Society. Before I start writing these articles, I thought a little background information on our Society might be fun.

From the “**About**” section of our [website](#) with a few updates: “The Society for Applied Spectroscopy is a non-profit organization dedicated to the dissemination of information related to spectroscopy. In business for over 65 years, the Society is committed to education and to providing quality benefits to members worldwide. The objective of this Society is to advance and disseminate knowledge and information concerning the art and science of spectroscopy and other allied sciences. We are pleased to be the publishers of the internationally recognized, peer-reviewed journal **Applied Spectroscopy** and now our latest open-access journal, **Applied Spectroscopy Practica**.

A bit more of SAS information and history from the SAS OFFICER AND COMMITTEE HANDBOOK REVISED AUGUST 2020 (written by Marvin Margoshes, Mary Kate Donais, and Katherine Bakeev)...with a few updates:

Our SAS governing body consists of a member-elected Executive Committee and Governing Board. Both meet regularly to ensure the Society is functioning at the highest level possible providing our members with the most for their membership dollars.

Supporting our Executive Committee and Governing Board are a host of working committees and sections that implement the ideas and projects that will help our members become better scientists. Any member is eligible to serve on the Governing Board and committees and we welcome any and all volunteers. This is a member driven society and your input is crucial.

Our corporate [sponsors](#) and your [donations](#) enable SAS to help build spectroscopy's future. Your tax-deductible contribution is greatly appreciated.

SAS' annual meeting is held in conjunction with the **SciX** Meeting presented by the Federation of Analytical Chemistry and Spectroscopy Societies (**FACSS**) each Fall. We host numerous events and symposia at SciX and your SAS membership gets you a discount to attend. In addition to SciX, SAS supports several other meetings including **Pittcon** and **Eastern Analytical Symposium**. Please visit us on the exhibit floor at these meetings.

The Society has long and rich history as the premier spectroscopic information source for scientists.

In 1954 a number of spectroscopists, recognizing the existence of several regional societies of spectroscopists, organized a committee to promote a stronger exchange of information among these societies. The efforts of this committee resulted in the formation of the Federation of Spectroscopic Societies on 1 March 1956 in Pittsburgh, Pennsylvania. The temporary officers at this meeting were Dr. Eugene Rosenbaum, Chair, and Mrs. Sarah Degenkolb, Secretary. The Societies adopted a constitution at this meeting. Five other societies were represented at this meeting including the Canadian Association of Applied Spectroscopy.

The officers elected for one year were Mr. Edwin Jaycox, Chair; Miss Grace Marsh, Vice Chair; and Rev. James J. Devlin, S.J., Secretary-Treasurer. On 7 March 1957, the Federation held a meeting of the representatives of the member societies in Pittsburgh. The officers elected were Mr. William J. Poehlman, President; Mrs. Sarah Degenkolb, Vice President; and Rev. James J. Devlin, S.J., Secretary-Treasurer. The major business of that meeting was the appointment of a

fact-finding committee to consider the advisability of founding a National Society of Applied Spectroscopy. After due inquiry, this committee reported a widespread interest in forming a national society and proceeded to draft a constitution.

The enthusiastic response to the proposal of a national society and the expressed willingness of the New York area group to relinquish its name and journal, culminated in the foundation of a national Society for Applied Spectroscopy at a meeting of the Federation of Spectroscopic Societies in New York on 4 November 1958. On 11 October 1960, the Society was incorporated in the State of Pennsylvania with its legal residence at Mellon Institute, 4400 Fifth Avenue, Pittsburgh, Pennsylvania, as a nonprofit corporation. Barbara Stull made up the office staff sometime after the national office was started in 1982 and Bonnie Saylor (executive director) and Victor Hutcherson (information technology and “strong back”) joined in 1996. SAS moved its articles of incorporation to Frederick, MD on 3 March 1987. **Capital Hill Management Services** started in July 2023, with full management of SAS as of January 2024.

Applied Spectroscopy Journal

In 1958 the New York Society for Applied Spectroscopy (SAS) donated its journal, *Applied Spectroscopy*, then in Volume 12, to the National Society and published it for the Society during that year. In 1960, SAS assumed the responsibility for publishing the journal. Dr. Frederick Strong III, who was editor at the time of transfer, continued in that capacity until 1961. In 1966 the Society became an affiliate member of the American Institute of Physics. At that time, the responsibility for publication of *Applied Spectroscopy* was assumed by the American Institute of Physics (AIP), but the editorial management remained under SAS. In addition to publishing and printing the Journal, the AIP also processed membership forms and handled other routine matters such as balloting and dues collection. In 1971, the Society retained its affiliation with AIP but transferred the printing and publication of the journal, together with the managerial services to The Williams & Wilkins/Waverly Press Company. Subscription and managerial services were transferred to the office of the Executive Secretary of the Society in January 1982. In 1984, the printing services were transferred to Allen Press, Inc. in Lawrence, Kansas. Since 2015, SAGE Publishing Ltd. has taken on the journal and is also publishing our new open-access journal, *Applied Spectroscopy Practica*.

Logo

The logo was designed in 1960 by Rockwell Kent, III.

Sections

There were 17 original founding sections. These include: Baltimore-Washington, Chicago, Cincinnati, Cleveland, Delaware Valley, Detroit, Indiana, Milwaukee, New England, New York, Niagara Frontier, North California, Ohio Valley, Pittsburgh, San Diego, Southeastern, and Southern California.

National Meetings

In 1962 the Baltimore-Washington Section was host to an International Conference on Spectroscopy. The Tenth Colloquium Spectroscopicum Internationale was also designated the First National Meeting of SAS. The surplus funds from this meeting were donated to establish a fund for use by other Sections of the Society sponsoring national meetings in succeeding year. National meetings have been held annually since that time. In 1974 the Society began holding its Annual National Meeting in conjunction with the Federation of Analytical Chemistry and Spectroscopy Societies (FACSS). At the 2011 conference held in Reno, NV, it was announced that starting in 2012 the conference would be formally named the SciX conference presented by FACSS with the tagline “The Great Scientific Exchange.” (from <https://www.facss.org/scix-annual-conference>).

Gloria Story, 2024 SAS President

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 konnorkjones@gmail.com.

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