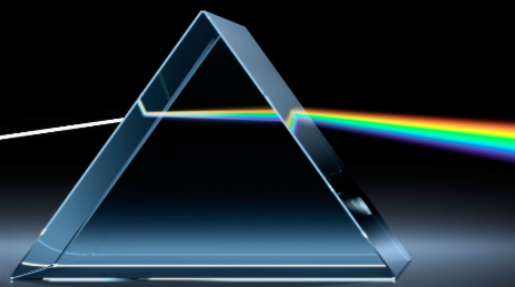




## SAS eNews



### Pre-SciX Virtual SAS Student Event Next Tuesday

#### *Meet-and-Greet Virtual SAS Student Sections Event*

Are you a part of the SAS student section? Or are you considering forming an SAS student section at your institution? If yes, this event is for YOU!


**Date:** Tuesday, 3 August 2021 at 6:00 pm EDT

**Zoom link:** <https://albany.zoom.us/j/98220475339?pwd=enhJbWkwVTh6alp0RlVwZVYxS2JUJz09>


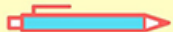
### SAS Events and Meetings Overview

Less than two months away, SciX 2021 is shaping up to be a momentous occasion for SAS in 2021. As the National Meeting for SAS, this will be our first in-person gathering since the 2019 SciX! Below is a brief guide to SAS officer meetings and SAS social events. More details to come in a separate email soon, but this guide will help you build your SciX calendar. Wrap up the busy days of technical sessions by connecting with students and colleagues during one of these events!





### Virtual Meet-and-Greet SAS Student Sections Event

**Date:**  
**Tuesday, August 3, 2021 at 6:00 pm EST**

**Zoom link:**  
<https://albany.zoom.us/j/98220475339?pwd=enhJbWkwVTh6alp0RlVwZVYxS2JUJz09>

Are you a part of the SAS student section?  
Are you considering forming an SAS student section  
at your institution?  
**If yes, this event is for YOU!**

**During the event we will:**

- meet student members of other SAS student sections
- discuss ideas of SAS student section activities
- discuss the process of forming a student section and answer any questions on where to start



## Social Events

Sunday, 26 September: SAS Member Event 12:30–5:00pm

Sunday, 26 September: SAS Welcome Mixer and Poster Session 7:00–9:00pm

Monday, 27 September: SAS Early Career and Student Events 8:00–11:00pm

Tuesday, 28 September: SAS Wine and Cheese Reception 8:00–11:00pm

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## SciX SAS Events Schedule

Sunday, 26 September 2021	
SAS Executive Committee	8:00am–12:00pm
SAS Members-Only Event	12:30–5:00pm
SAS Welcome Mixer and Poster Session	7:00–9:00pm
Monday, 27 September	
SAS Marketing Committee	9:00–11:00am
SAS Governing Board	12:00–2:00pm
SAS Early Career Event	8:00–11:00pm
SAS Student Event	8:00–11:00pm
Tuesday, 28 September	
SAS Publications Committee	9:00–11:00am
SAS Editorial Board	12:00–2:00pm
SAS Awards Ceremony	6:30–8:00pm
SAS Wine and Cheese Reception	8:00–11:00pm

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## News from SAS Affiliate Section: The Coblenz Society

The Coblenz Society is busy working on technical and networking preparations for the upcoming SciX 2021 meeting (including a special social event!). Details will come out the Society's own Newsletter in August.

For those needing financial assistance to SciX or EAS 2021, Coblenz offers **travel grants** to help defray the costs of travel and/or childcare. The application deadline is 15 August 2021 for the fall and winter conferences. Those interested should request an application from the Society's office ([office@coblenz.org](mailto:office@coblenz.org)).

We are happy to announce that the **2022 Williams–Wright Award** will be presented to **Dr. Paul Pudney** of Unilever at the 2022 Pittsburgh Conference in Atlanta, Georgia. Additionally, this year's winners of the 2021 Coblenz Student Awards are Isabella Goodenough (Eric Borguet, Temple University), Paulina Koziol (Tomasz Wrobel, Jagiellonian University, Poland), and Chris Warkentin (Renee Frontiera, University of Minnesota). Pauline Koziol has also been recognized with the 2021 William G. Fateley Student Award, which was announced recently by the FACSS organization. These individuals will be recognized formally at SciX 2021.

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# Call for Papers: SPIE.DCS Next-Generation Spectroscopic Technologies XV

3–7 April 2022, Orlando, Florida

Conference Chairs: Luisa T.M. Profeta, Rigaku Analytical Devices (USA); Richard A. Crocombe, Crocombe Spectroscopic Consulting, LLC (USA); John F. O'Hara, Oklahoma State University (USA)

Abstracts Due: 6 October 2021

The overall emphasis in this conference is on advanced technologies for spectroscopic instrumentation with an emphasis on miniature and portable instruments and novel spectroscopic sources used in the laboratory and process applications (e.g., QCL, ICL, supercontinuum). *We encourage our SAS members and Applied Spectroscopy readership to submit an abstract for this conference, as we have traditionally had a broad representation of papers from academia, government, and industry—from an international profile of contributors.*

The scope focuses on the optical region: UV–Visible, infrared, near-infrared, terahertz, and Raman molecular techniques. However, it also includes advances in 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. Additional topics includes the rapidly emerging fields of portable and handheld hyperspectral imaging, spectrometers embedded in consumer goods, “smartphone spectroscopy”, “citizen spectroscopy”, with cloud-based collection and processing of data from those instruments.

## Focus Areas for 2022

(i) Very low-cost, extremely compact spectrometers and hyperspectral imagers (e.g., Si-based sensors using novel photonic technologies, LVFs, discrete and mosaic filters, Fabry–Perots, etc.); smartphone spectroscopy, including developments for medical point-of-care and personal care applications

(ii) Portable spectrometers and imagers for consumer applications (technologies, instruments, applications), including “white goods”, personal care devices and smart watches

(iii) Portable spectrometer algorithms and databases to generate actionable answers in the field

(iv) Portable hyperspectral imaging (technologies, instruments, applications)

(v) Terahertz technologies, instrumentation, and applications

(vi) Terahertz plasmonics, metamaterials, and 2D terahertz spectroscopy Specific Technology and Applications Areas

(i) Optical food spectroscopy (sorting, freshness, contamination, adulteration, fraud)

(ii) UV-, gated-, and stand-off Raman

(iii) QCL- and ICL-based spectroscopy

(iv) Spectroscopy using supercontinuum sources

(v) Dual- or hyphenated-technology instruments

(vi) Spectroscopy for communications.

A joint session is planned with Chemical, Biological, Radiological, Nuclear, and Explosives (CBRNE) Sensing, which will include:

(i) Stand-off detection, and drone-mounted spectrometers and imagers

(ii) New and novel spectroscopic instruments for chemical sensing.

For further information, including more about the conference location, travel and registration, please [click here](#).

## Editor's Note: Surrealist Innovation

Luisa T.M. Profeta

The surrealness felt as I wrap up this August Newsletter, unlike my experiences in the Salvador Dalí Museum in St. Petersburg, Florida, has at least more rational explanations and is likely shared by some of the readership. A year ago, I was finishing up the 2020 August Newsletter from my Florida home, urgently job hunting given my COVID-19-related job loss, lamenting about a virtual 2020 SciX, and about to land a part-time job working at a donut shop. Today, I write this from nearly 1500 miles north in my new New Hampshire home, with the wafting of VOCs in the air as the freshly painted walls dry between coats, at a new position back in a technology field leveraging my skills and knowledge in applied spectroscopy and contentedly smiling thinking of seeing many of you all at SciX 2021 in-person. If we are all honest with ourselves, the majority of us would say where we are today in 2021 is somewhat surreal compared to where we were a year ago.

The theme that passes through my mind connecting this very surrealist collection events is innovation. Innovation in how we work and live, innovation in where we work and live, and innovation in our why we work where we do. For many of us in the spectroscopy field, innovation is key to our livelihoods as we work to press the limits of what has been done before us. Whether you're on the engineering side, working to make a better laser diode or a more sensitive CCD camera, or on the data collection side, trying new ideas to collect more data from fewer photons, innovation is a key driver. One innovative idea, as I smell the acrylic paint dry in this room, is why don't we have a cheap imaging system available to tell painters (professional and amateur alike) when coats of paint are dry so we can go ahead and apply another coat of paint? An innovative concept such as this would make my life, as a spectroscopist mom of boys who love their camouflage, easier! Innovation at times does require a surrealist aspect—most of the disruptive spectroscopy technologies in the last 20 to 30 years have had a dream-like quality in their conception but have radically changed the domain of spectroscopy. Over the last few months with the Wiley Webinars co-sponsored by SAS and Coblenz, we've heard many colleagues discuss such innovations and their innovative applications of older technologies to new problems. Innovation can be seen that the SAS Executive Committee very recently approved of a new Houston, Texas, section!



*An imaging system that could alert a user to dry paint would have probably saved me several hours of waiting during this extensive camouflage painting project. This is just one corner of entire stripe painted.*

I challenge the readership to consider innovation opportunities as we all continue to navigate the undulating waters of the world. Find that surrealist events are occasions to peer into a new domain of thinking about how to solve problems—be it the most difficult spectroscopic measurement on Mars (speaking of which, be on the lookout for more of our SAS Mars interviews forthcoming!), or something as simple as watching paint dry.

**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](mailto:luisaprofeta@gmail.com).**

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