We invite you to SciX 2020, the annual meeting of the Federation of Analytical Chemistry and Spectroscopy Societies, where leading researchers present developments in analytical sciences, instrumentation, and unique applications. Like every organization with a 2020 conference, we had no choice but to cancel our face-to-face meeting. But the science must go on, and we will still meet October 12-15! The SciX committee has been working hard to develop a program that allows you to balance your participation with obligations at work and at home. A blend of live and on-demand activities allows you to participate in the way that works best for you. Social and networking activities will capture some of the essence of what makes SciX special. All of this is delivered at a cost far less than a usual SciX meeting, in recognition of the incredible circumstances we are all going through.

What's different? Well, a lot! For the live portion, we’ve reduced the number of concurrent sessions to two and condensed our sections to avoid overwhelming you with choices and commitments. In addition, you’ll have the option to browse on-demand oral presentations before, during, and after the live portion. You’ll be able to leave questions and comments for presenters to keep discussions going. Networking opportunities certainly won’t be the same as chatting over a cheese plate in person, but we will offer a number of chances to have meaningful conversations in this very strange year.

What's the same? Surprisingly, a lot! We will honor award winners with live plenary presentations including Q&A, we will present an interactive poster gallery with mini-orals, and you will receive the same excellent scientific content you’ve come to expect from SciX.

We can’t meet in Sparks, but please join us and e-spark science at SciX 2020.
REGISTRATION

Register online at SciXconference.org. To receive the discounted member rate, be sure your membership is current in at least one of the 14 FACSS member societies. To join or renew, visit the society’s website.

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Americans with Disabilities Act: FACSS complies with legal requirements of the Americans with Disabilities Act. See website for details.

ABSTRACT SUBMISSIONS

Didn’t have a chance to submit an abstract in the initial submission period? No problem! Abstract submission will be reopened for consideration as an ePoster with mini-oral. The submission period will run through Wednesday, August 26 so don’t delay. All submissions will be reviewed and acceptance status will be communicated in early September.

SciX 2020 PRELIMINARY PROGRAM

ALL TIMES SHOWN ARE EASTERN DAYLIGHT TIME. PROGRAM IS SUBJECT TO CHANGE.

PRE-SCIX

Leading up to the live SciX virtual conference, we’ll be offering multiple activities like the following:

- STEM in Art and Archaeology Virtual Happy Hour for Grad Students and Early Career Scholars (Thu, August 20)
  - Register at scixconference.org/specialsessions – free, but seating is limited!
- Pre-SciX webinars including our Keynote Speaker (below)
- Kick-off activities on Monday, October 12 before the start of the live scientific program on October 13

Keynote Lecture Webinar ● Tuesday, October 6 ● 10:00 am EDT
Registration to SciX is required to participate
Exploring the Layers of Indigenous Australian Natural Pigments Using Spectroscopic and Nuclear Methods
Rachel S. Popelka-Filcoff FRACI
Inaugural Kimberley Foundation Minderoo Chair in Archaeological Science
University of Melbourne

scixconference.org
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<tr>
<th>Time</th>
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| 9:00 am – 10:15 am | Opening Remarks and Plenary Presentations 1 & 2  
                     Chairs: Linda Kidder Yarlott and Mary Kate Donais                                 |
| 9:00 am      | Opening Remarks                                                                          |
| 9:15 am      | Plenary 1: Coblentz Society Clara Craver Award  
                     *Live Question & Answer with Presenter at 9:35 am*  
                     Discovering the Subsurface of Materials by Intact Methods: The Contribution of Micro-SORS 
                     Claudia Conti  
                     *National Research Council Institute of Heritage Science*  |
| 9:45 am      | Plenary 2: Society for Applied Spectroscopy Lester W. Strock Award  
                     *Live Question & Answer with Presenter at 10:05 am*  
                     The Role of Reference Methods and Reference Materials to Support use of Regulated Nanomaterials in the Manufacturing Industry  
                     Heidi Goenaga-Infante  
                     *LGC*  |
| 10:15 am     | Break                                                                                     |
| 10:30 am – 12:00 pm | Parallel Featured Oral Sessions  
                     *Live Question & Answer with Presenters at 11:30 am*  |
| 12:00 pm – 1:00 pm | Break/On-demand Viewing/Special Programming                                               |
| 1:00 pm – 2:30 pm | Parallel Featured Oral Sessions  
                     *Live Question & Answer with Presenters at 2:00 pm*  |
| 2:30 pm – on | Recess/On-demand Viewing/Special Programming                                              |
8:00 am – 9:00 am  Plenary Presentations 3 & 4

8:00 am  Plenary 3: FACSS Charles Mann Award for Applied Raman Spectroscopy
Live Question & Answer with Presenter at 8:20 am

50 years of Biomedical Application of Raman Spectroscopy
Yuki Ozaki
Kwansei Gakuin University

8:30 am  Plenary 4: Applied Spectroscopy and SAS William F. Meggers Award
Live Question & Answer with Presenter at 8:50 am

Charge-Shifting Lock-In CCD Operation Combined with Shifted Excitation
Raman Difference Spectroscopy
Kay Sowoidnich
Ferdinand-Braun-Institut
Leibniz-Institut für Höchstfrequenztechnik

Presenting on behalf of Mike Towrie, Martin Maiwald, Bernd Sumpf, Pavel Matousek

9:00 am – 11:30 am  Break/On-demand Viewing/Special Programming

11:30 am – 12:30 pm  Plenary Presentations 5 & 6

11:30 am  Plenary 5: Spectroscopy Magazine’s Emerging Leader in Molecular Spectroscopy Award
Live Question & Answer with Presenter at 11:50 am

Understanding Brain Neurochemistry: Imaging Neuromodulators
with Near Infrared Fluorescent Nanocarbons
Markita del Carpio Landry
University of California, Berkeley

12:00 pm  Plenary 6: ANACHEM Award
Live Question & Answer with Presenter at 12:20 pm

Interfacial Free Charge Density Gradients in Room Temperature Ionic Liquids
Gary Blanchard
Michigan State University

12:30 pm  Break
12:45 pm – 2:15 pm  Parallel Featured Oral Sessions
*Live Question & Answer with Presenters at 1:45 pm*

**Topics in Atomic Spectroscopy Part 1**
*Presentations by:*
Nerea Bordel  
Todor Todorov  
Vassilia Zorba  
Lee Yu  
Matthieu Baudelet

**Topics in Chemometrics**
*Presentations by:*
Hamid Abdollahi  
Betsy Jean Yakes  
Axel Mosig  
Peter Harrington  
Thomas Bocklitz

2:15 pm  Break

2:30 pm – 4:00 pm  Parallel Featured Oral Sessions
*Live Question & Answer with Presenters at 3:30 pm*

**Topics in Atomic Spectroscopy Part 2**
*Presentations by:*
Kaveh Jorabchi  
Roger Wiens  
Arne Bengtson  
Pavel Porizka  
Michael Wieser

**Topics in Biomedical and Bioanalytical**
*Presentations by:*
Boris Mizaikoff  
Marloes Groot  
Aydogan Ozcan  
Regina Ragan  
Cristina Zavaleta

4:00 pm – on  Recess/On-demand Viewing/Special Programming

**THURSDAY, OCTOBER 15**

10:00 am – 11:30 am  Parallel Featured Oral Sessions
*Live Question & Answer with Presenters at 11:00 am*

**Topics in Education**
*Presentations by:*
Renee Cole  
Regis Komperda  
Katarzyna Slowinska  
Abigail Waldron  
Jake Shelley

**Topics in Pharmaceutical Analysis and Process Analytical Part 1**
*Presentations by:*
Brian Marquardt  
James Beattie  
Brian Rohrback  
Jeremy Shaver  
Katherine Belecki

11:30 am  Break

12:00 pm – 1:00 pm  Plenary Presentations 7 & 8

11:30 am  Plenary 7: AES Lifetime Achievement Award Winner
*Live Question & Answer with Presenter at 11:50 am*

Philippe Renaud  
*EPFL*
12:00 pm  Plenary 8: AES Mid-Career Achievement Award
*Live Question & Answer with Presenter at 12:20 pm*

Alexandra Ros
*Biodesign Institute at Arizona State University*

1:15 pm – 2:45 pm  Parallel Featured Oral Sessions
*Live Question & Answer with Presenters at 2:15 pm*

**AES Topics in Electrophoresis**
*Presentations by:*
Susan Lunte
Blanca Lapizco-Encinas
Alice White
Juan Santiago
Lisa Holland

**Topics in Pharmaceutical Analysis and Process Analytical Part 2**
*Presentations by:*
Oliver Fiehn
Yasser Sabry
Elvira Kadaub
Xiaoyun Chen
Rajeev Ram

2:45 pm  Break and Move to Closing Remarks

3:00 pm  Closing Remarks and Preview of SciX 2021
Linda Kidder Yarlott, 2020 General Chair
Mary Kate Donais, 2020 Program Chair
Robert Chimenti, 2021 General Chair
Jean-François Masson, 2021 Program Chair

3:30 pm  Adjourn

**ON-DEMAND CONTENT**

Over 25 on-demand sessions, each featuring three 10-minute oral presentations. On-demand sessions will be available just before the start of the live SciX program, throughout, and after (for a limited period). The ePoster gallery features full color, high-definition poster images accompanied by a mini-oral presentation by the author. For information on mini-oral poster abstract submission, please see the information on the second page or on the website. All on-demand content allows you to leave questions and comments for presenters who can respond directly.

On-demand content covers topics in:

- AES/Electrophoresis
- Art & Archaeology
- Atomic Spectroscopy
- Biomedical & Bioanalytical
- Chemometrics
- Forensics & Security
- Molecular Spectroscopy
- Pharmaceutical Analysis and Process Analytical

[scixconference.org](http://scixconference.org)
Looking for Workshops and Short Courses? These will be scheduled at other dates/times separate from the conference, allowing you to get the targeted training you need in a workshop while not missing anything SciX has to offer.

Looking for Program Sponsorship? As with any SciX, we have developed a number of opportunities for you to show your support for SciX and the amazing scientific content we offer. Email scix@scixconference.org or visit the website.

Looking for Exhibits? There will not be a virtual exhibit hall at SciX 2020, but we invite attendees to engage with industry representatives in discussion areas and networking events. We have other opportunities for industry partners to remain visible to current and potential customers. Email scix@scixconference.org or visit the website.

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