



ABOUT THE PROGRAM

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.



Linda Kidder Yarlott
General Chair



Mary Kate Donais
Program Chair

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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.

| REGISTRATION TYPE | RATE |
|--------------------|-------|
| Member | \$60 |
| Non-Member | \$100 |
| Student or Retiree | \$40 |

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-SCI X

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*

TUESDAY, OCTOBER 13

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: Coblenz 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

Topics in Art/Archaeology/Forensics Part 1

Presentations by:
Moupi Mukhopadhyay
Marc Vermeulen
Karen Trentelman
McKenzie Floyd
Catherine Matsen

Topics in Molecular Spectroscopy Part 1

Presentations by:
Francesco Simone Ruggeri
Bernhard Lendl
Roy Goodacre
Barbara Rossi
Hoeil Chung

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

Topics in Art/Archaeology/Forensics Part 2

Presentations by:
Andrew Gillreath-Brown
Gina Watkinson
James Davenport
Mathew Fox
Jayde Hirniak

Topics in Molecular Spectroscopy Part 2

Presentations by:
Lixue Shi
Amanda Haes
Duncan Graham
Jürgen Popp
Zachary Schultz

2:30 pm – on **Recess/On-demand Viewing/Special Programming**

WEDNESDAY, OCTOBER 14

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

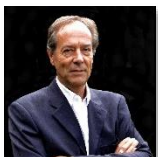
Presentations by:

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

OTHER INFORMATION

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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University of Iowa

