

SAS SPECTRUM eNEWS

We're Celebrating our 60th Anniversary with a special *Applied Spectroscopy* Supplement!

This collectors edition supplement celebrating 60 years of service to the spectroscopy community is a must have for all SAS members. Edited by Peter Griffiths, Ian Lewis, and Nicolo Omenetto, it contains important historical information on the Society, as well as papers related to the history and future of spectroscopy.

All Applied Spectroscopy print members will automatically be mailed a copy of the supplement in October.

If you are an online only member and would like a hard copy (the issue WILL be available online and digitally), you can pick one up at the SAS booth at either SciX in Atlanta this October or PITTCON in Philadelphia next March.

If you won't be attending either meeting, we'd be happy to mail you a copy for a processing and mailing fee of \$10. Please call the SAS office at 301-694-8122 or email us at sasadmin@s-a-s.org if you'd like a hard copy mailed to you.

Remember, if you receive Applied Spectroscopy in print, you will automatically be mailed this special supplement.

SAS Election 2018 Results

Congratulations to the newly elected SAS officers: Richard Crocombe, President-Elect, Karen Esmonde-White, Linda Kidder Yarlott, Michael Blades, Ellen Miseo, and Andrew Whitley, all Governing Board Delegates. Their terms will begin January 2019.

New York SAS Section Announces Activities at EAS

The New York Section of SAS is pleased to announce the following activities to be held in conjunction with the 2018 Eastern Analytical Symposium (EAS). We hope you will join us at these activities:

1. NYSAS sponsors the Gold Medal Award session held on Monday morning, November 12 at 8:30–11:15 a.m. and presents the Gold Medal to the Igor Lednev, University of Albany, the winner of the 2018 Gold Medal competition. Igor will present his award speech "Raman Spectroscopy for Forensic Purposes and Medical Diagnosis" at 8:30 a.m.
Other speakers at the award session are:
 - a. Sanford Asher, University of Pittsburgh
 - b. Laurence Nafie, Syracuse University
 - c. Mihn Nguyen and Gregory Dutton, National Institute of Justice
2. NYSAS is a sponsor of the 60th SAS Anniversary session on Monday afternoon, 1:00–3:15 p.m. Three NYSAS representatives, Deborah Peru, Fran Adar, and Howard Mark, will speak about the NYSAS regional Section and current topics that are becoming increasingly important in modern spectroscopic practice: Raman spectroscopy and chemometrics.
3. NYSAS will have an exhibit booth at EAS. We welcome all to stop by and say "Hello!" We also welcome any spectroscopists who would like to experience being on the "other side" by sitting with us and greeting the members.

2018 SAS Awards

Join us at the SAS Awards Ceremony at SciX on Tuesday, October 23 at 7:00 p.m. in the Imperial A room of the Atlanta Marriott Marquis. We will be honoring the following outstanding scientists for their contributions to spectroscopy and the Society. Due to the page limit, the winners of the SAS Meggers Award, the inaugural SAS/NASLIBS award for the best paper published in *Applied Spectroscopy* in 2017, the Bruce R. Kowalski Award in Chemometrics, the SAS Fellows Award, and the SAS William J. Poehlman Award will be included in the next issue of the SAS Newsletter.

SAS Distinguished Service Award Recipients: Ian Lewis and Diane Parry

Ian R. Lewis obtained his degree in Chemistry and Chemical Technology at the University of Bradford, UK, in 1989, his Ph.D. in 1992 under Professors Anthony Johnson and Howell Edwards, and was appointed an Honorary Visiting Researcher in 1992. He completed his postdoctoral studies with Professor Peter Griffiths while also consulting on Raman spectroscopy to industry. In 1996 he joined Kaiser Optical Systems and is currently Director of Marketing and Product Management.

He currently serves on the boards of several scientific organizations, three Editorial Boards, chairs the ASTM committee on Raman, and is the 2019 Program Chair for the ICAVS meeting in Auckland, New Zealand.

Ian received the 2008 Charles Mann award in Analytical Raman spectroscopy from FACSS, was made a Fellow of the Royal Society of Chemistry in 2017, and he will receive the Coblentz Society Honorary Membership award at SciX in 2018.



Ian R. Lewis

With SAS he started as student member in 1992, was President-Elect in 2013, President in 2014, past-President (2015), and is the current SAS Secretary. Other roles at SAS include President of the Detroit SAS section, chair of several SAS committees, Executive Committee member, delegate to the Governing Board, liaison between FACSS and SAS, *Applied Spectroscopy* Editorial Advisory Board member, and tour speaker. He was made a Fellow of SAS in 2011.

He has sought to strengthen the spectroscopy community and, during his term on the SAS Executive Committee (2013–2015), Ian spearheaded several new initiatives. Some accomplishments included a complete review of all Society operations in search of ways to improve and streamline efficiencies; working with our treasurer to better invest Society funds; working to enhance SAS marketing efforts via a new booth design, presence at other scientific meetings, approving a Spectroscopy Marketplace, and a new newsletter design, strengthening the benefits of our corporate sponsor program; initiating a member survey to gain insight into our members' needs; restructuring membership dues; revised the Society's by-laws, and implemented a strategic fund to help ensure the future of SAS. In addition to these accomplishments during his tenure and in conjunction with other dedicated individuals, a marketing allocation was budgeted to help publicize the Society, Sage was selected as the new publisher of *Applied Spectroscopy*, the Society's office was moved, and the EC approved a transition to a new member database. Ian has also contributed to both the Coblentz Society and FACSS and served in several leadership capacities.

Ian R. Lewis obtained his degree in Chemistry and Chemical



Diane Parry

Diane Parry is currently SAS Treasurer and is a recent retiree from the Procter and Gamble Company (P&G).

For over 20 years, Diane has volunteered with SAS, FACSS/SciX, and science in a range of capacities including the 2015 SAS President. As President, Diane enabled continued delivery of member benefits and improved SAS financial stability by championing the move of the SAS office out of seldom-visited rental space, the website transition to a modern infrastructure, and planning the 2016 simplification in *Applied Spectroscopy* management under Sage. As a Program Section Creator/Organizer Diane obtained SAS support to present special sessions on "Analytical Chemists Easing World Poverty", (ACEWP) as part of the 2011, 2013, and 2014 FACSS programs, as well as for PittCon in 2013, after which Rebecca Airmet took over in 2015. Diane and Rebecca co-authored a chapter on ACEWP, published in the 2017 ACS Book "Mobilizing Chemistry Expertise to Solve Humanitarian Problems" edited by Ronda Grosse (Chemists Without

Borders). Diane has also served as a three-term SAS Parliamentarian from 2009–2011, as the developer of the role of metrician for FACSS, serving in this role and the FACSS LRP from 2004–2014, as the 2006 FACSS Governing Board Chair, and as a workshop co-presenter or presenter to undergraduate and graduate students, "Professional Analytical Chemists in Industry" from 1995 to 2014.

Diane obtained her Ph.D. in Physical and Analytical Chemistry from the University of Utah in 1989, under the guidance of Professor Joel Harris. She completed post-doctoral work at IBM's Almaden Research Center, San Jose, California, before joining P&G in 1991.

SAS Honorary Membership Award Recipient: John Chalmers

John Chalmers's career was as an industrial research-based vibrational spectroscopist focusing mainly on polymer-related products working in the UK for 34 years employed by ICI plc. He retired early at the end of 1999, then became a self-employed consultant while also holding part-time positions within the Chemistry Department of the University of Nottingham from 2000 to 2010.

John served for several years as a Governing Board Member and International Delegate for SAS before becoming President of SAS in 2008. Subsequently, John was instrumental in forming and being a founder member of the SAS UK Regional Section.

John has served on various other spectroscopy-based committees, including the UK Infrared and Raman Discussion Group (the IRDG) for which he served as Chair for nine years. He also served for several years as the RSC representative to FACCS/SciX.



John Chalmers

He has edited or co-edited a number of books including, together with Peter Griffiths, the five-volume *Handbook of Vibrational Spectroscopy*. He was also the article editor for *Spectroscopy Europe* for several years.

SAS Lester W. Strock Award Recipient: Javier Laserna

Professor Laserna's current research interests include laser-induced breakdown spectroscopy (LIBS); time-of-flight mass spectrometry (TOF-MS); surface analysis using laser ablation with optical and ion detection; laser remote chemical analysis; on-line and fieldable analytical instrumentation. Application areas comprise analysis of energetic materials; development of sensors for CBNRE threats; lasers for cultural heritage; and LIBS and Raman spectroscopy for space exploration.

Javier is an associate editor of *Applied Spectroscopy*, and member of the advisory boards of *Spectrochimica Acta, Part B: Atomic Spectroscopy*, *Reviews in Analytical Chemistry*, and the *Open Journal of Analytical Chemistry*. Professor Laserna was awarded with the RSEQ National Award for Research in Analytical Chemistry in 2009 and the SEA National Award for Research in Applied Spectroscopy in 2010. He is co-inventor of six patents held by the University of Malaga and has published nearly 300 papers, plus five books and book chapters.



Javier Laserna

SAS Barbara Stull Graduate Student Award Recipients

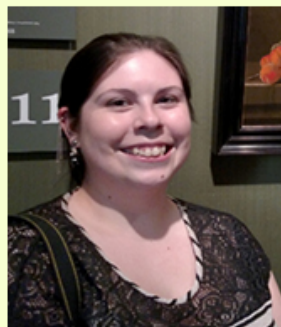


Felix Lussier

Felix Lussier is currently finishing a Ph.D. in analytical chemistry at the University of Montreal under the supervision of Jean-Francois Masson. His thesis focused on the development of novel optical nanosensors for medical and neurosciences applications. His achievements were recognized notably with the silver academic medal of the General Governor of Canada, and the Ryan-Harris award of the analytical chemistry division of the Chemical Institute of Canada. Felix Lussier was also the chair of the 2018 Gordon Research Seminar (GRS) on bioanalytical sensors held in Salve Regina University in Rhode Island, USA.

Marcie Wiggins earned a B.S. in chemistry and art history with honors in 2010 from the University of Maryland, College Park. She is currently a Ph.D. candidate in analytical chemistry at the University of Delaware under Dr. Karl S. Booksh and Dr. Jocelyn Alcántara-García.

Most of her scientific career has contributed to the field of cultural heritage science. She has worked at the Library of Congress, the Smithsonian Institution, the Rijksmuseum, and Winterthur Museum, Garden, and Library, as well as collaborating with the Palace Museum (Beijing, China), Colonial Williamsburg (Virginia, USA), and CBC Conservazione Beni Culturali (Rome, Italy). Ms. Wiggins's current work explores the usage and manufacturing of copper-based pigments and their subsequent degradation and interactions with organic substrates through the application of novel spectroscopy and analysis methods. Using Raman spectroscopy and multivariate curve resolution (MCR), she has been able to identify copper chloride trihydroxide polymorphs in Chinese architectural paints for insight into transitions of artists' material. She has used Raman, FT-IR, and X-ray photoelectron spectroscopy to monitor and document copper acetate pigments' degradation and organic interactions that had previously been theorized.



Marcie Wiggins

She has published three peer-reviewed articles and has presented nine poster/oral presentations at domestic and international conferences. She has won university awards for research and teaching, including the Elizabeth Dyer Award and the UD Dissertation Fellowship, and she is recognized as Phi Beta Kappa and Phi Lambda Upsilon. This year she is one of the four recipients of the Eastern Analytical Symposium Graduate Student Award.

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Learn More About the "New SAS Certification Program"

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