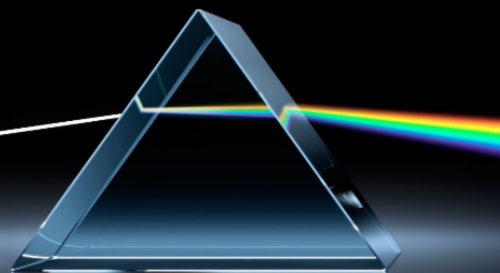




SAS eNews



Upcoming IR and Raman Courses in July 2022 in Brunswick, Maine

Infrared and Raman Courses, Inc. is back at Bowdoin! We are pleased to announce that this popular course, Infrared & Raman Spectral Interpretation, returns to Bowdoin College this summer, and spots are still available to interested participants. The 2022 course is scheduled to be held at Bowdoin College, Brunswick, Maine, 11–15 July. The course has been held at Bowdoin College since 1972, except for 2019, when it was offered in Philadelphia, and the last two years when it could not be held due to the COVID-19 pandemic. These courses are Coblenz-affiliated activities and have been presented annually for over 50 years, historically at MIT and Bowdoin College. The aim of the courses is to provide a rigorous foundation for interpretation of vibrational spectra.

The deadline for receipt of the formal course registration fee is 27 June 2022. Participants are urged, however, to submit their registrations well in advance of this date to be assured that accommodations can be reserved. For more information: <https://ircourses.org/>

First Annual NYCR Applied Spectroscopy Symposium Overview

On 23 May 2022, the SAS New York Capital Region Student Chapter hosted the First Annual NYCR Applied Spectroscopy Symposium. This event was a resounding success with a turnout of over 30 people from multiple universities. This symposium truly "shone the light" on the amazing research being done by academics in the Capital Region. It was made possible with strong support from our sponsors: Shimadzu, Agilent, Metrohm, and Horiba!

This symposium covered a wide range of topics in spectroscopy including forensic sciences, medical diagnostics, biological studies, environmental analysis, and novel applications. The event was kicked off by a presentation by keynote speaker, Andrey Krayev, from Horiba, who spoke on the topic of nanoscale imaging, "TERS and TELP Imaging for 2D Materials Research". The keynote presentation was followed by three oral presentations, a flash workshop, and seven poster presentations.

Two awards were presented at the symposium for oral and poster presentations based on vote by the attendees. The Outstanding Oral Presentation award was presented to Shelby Khandasammy for her talk on "A Novel Two-Step Method for The Detection and Identification of Organic Gunshot Residue Using Fluorescence and Raman Spectroscopies". The Outstanding Poster Presentation award was won by Mónica Ventura for her discussion on the "Identification of Tryptamines by Chemometric Processing of Fused Mass Spectrometry and IR Spectroscopy Data". NYCR SAS section is pleased with the outcome of this first symposium and looking forward to next year.

Contributed by Alexis Weber



Spectroscopy Conference Grants

The Coblenz Society will be awarding travel grants to eligible Society members for spectroscopy conferences held in fall/winter 2022 to support registration and/or travel expenses. Additionally, childcare grants are also available for parents interested in attending such conferences. **The deadline for submitting applications for either grant for the SciX 2022 meeting is 15 August 2022.** Details can be found here: <https://www.coblenz.org/awards/grantsandscholarships/>

Gordon F. Kirkbright and Edward Steers Bursary 2023 Awards

The Gordon F. Kirkbright bursary award is an annual award that assists a promising early career scientist of any nation to attend a recognized scientific meeting or visit a place of learning. The fund for this bursary was established in 1985 as a memorial to Professor Gordon Kirkbright in recognition of his contributions to analytical spectroscopy and to science in general. Owing to the generosity of one of our former trustees, the eminent atomic spectroscopist, Professor Edward B.M. Steers, we are now able to award an annual Edward Steers bursary, in addition to the long-standing Gordon Kirkbright bursary, to similarly assist a promising early scientist engaged in or utilizing analytical spectroscopic techniques.

The ABS Trust defines early career as being either a student, or an employee in a non-tenured academic post or in industry, within seven years of the award of a Ph.D., excluding career breaks. The same conditions apply to each bursary.

Applications are invited for both the 2022 Gordon Kirkbright Bursary and the 2022 Edward Steers Bursary. Although both funds are administered by the ABS Trust, the Kirkbright award is not restricted to spectroscopists, but is open to all involved with or utilizing analytical science-based techniques.

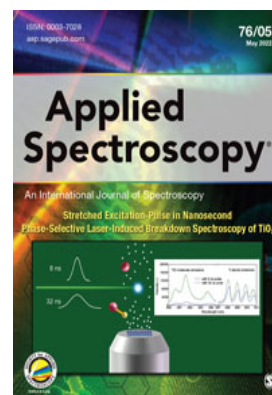
Application Forms can be downloaded via: <http://www.abstrust.org/kirkbright-and-steers-bursary-award>

For further information visit: <http://www.abstrust.org/> or contact abstrustuk.kirkbright@gmail.com

The closing date for entries is 30 November 2022.

May *Applied Spectroscopy* Cover Highlight

Featured on the May 2022 cover of *Applied Spectroscopy* issue is an image from the paper by Stephen Tse, Gang Xiong, Yuqian Zhang, and Christof Schulz entitled, "Molecular Emissions from Stretched Excitation-Pulse in Nanosecond Phase-Selective Laser-Induced Breakdown Spectroscopy of TiO₂ Nanoaerosols" (DOI: 10.1177/00037028211072583). In this work, the effect of excitation laser-pulse duration and energy on the intensity and duration of TiO₂-nanoparticle PS-LIBS emission signal is investigated. Using a temporally stretched nano-second laser-excitation pulse significantly enhances the TiO molecular emission of titanium-dioxide nanoaerosols by influencing nanoplasma evolution and associated chemical reactions. Gang Xiong, Yuqian Zhang, and Stephen Tse are at the Department of Mechanical and Aerospace Engineering, Rutgers, The State University of New Jersey, and Christof Schulz is at the Institute for Combustion and Gas Dynamics, Center for Nanointegration Duisburg-Essen, University of Duisburg-Essen, Duisburg, Germany. The paper can be found on pages 569-579 of the May issue. As always, Society for Applied Spectroscopy members may access this and other papers free of charge as a member benefit.



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.

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