



EASTERN ANALYTICAL SYMPOSIUM & EXPOSITION

Navigate the Future of Analytical Chemistry: Intelligence and Integrity



Nov. 16-18, 2026
 Crowne Plaza Princeton
 Conference Center
 Plainsboro, NJ

- * 3 Days of Exposition & Technical Program
- * 4 Days of Short Courses
- * Career Development Opportunities



**Eastern Analytical Symposium
 Virtual Student Symposium Schedule
 September 14, 2026**

No.	Time (ET)	Participant	Presentation Title
	10:00–10:10 AM	VSS Welcome	Opening remarks by EAS President Jason Shen
1	10:10–10:25 AM	Moamen F. Rabea, University of Warsaw	Valorization of Cherry Pit Waste into N,S-Doped Carbon Quantum Dots for Chromium(VI) Detection and pH Sensing
2	10:30–10:45 AM	Brianna-Alecsandra Manta, University of Warsaw	A Comparative Meta-Synthesis of Analytical Testing Parameters for Nitrosamine Impurities in Human Drugs
3	10:50–11:05 AM	Cody Silverman, University of Albany	From Laboratory to Crime Scene: Portable Raman Spectroscopy for Gunshot Residue Detection
4	11:10–11:25 AM	Mahdi Mubin Shaikat, Duquesne	Empirical Optimization of Time-gate Delays in Time-Gated Raman Spectroscopy for Robust Calibration Development in Upstream Bioprocessing: A Chemometrics Approach
5	11:30–11:45 AM	Nancy Ihechu, University of MO	Computational Discovery of LRRK2 Binders for Parkinson's Disease
6	11:50 AM–12:05 PM	Marina Katsumoto, University of MD	Mycotoxins in Plant-Based Meat Products: Matrix Extension and Survey Sample Analysis
7	12:10–12:25 PM	Leah Boone, Wake Forest	Fluorescence Sensing of Lamotrigine Enabled by Nitrogen-Doped Carbon Dots
	12:30–1:00 PM		Lunch Break
8	1:00–1:15 PM	Lillian Christensen, University of Albany	Detection of Blood in Fingermarks by Raman Spectroscopy for Forensic Applications
9	1:20–1:35 PM	Kelsey Morgan, Wake Forest	Optimization of N,S Co-Doped Carbon Dots for Fluorescence Sensing of Mercury and Preparation of Extraction Columns for Water Purification
10	1:40–1:55 PM	Avanya Karn, Wake Forest	Design and Testing of Carbon Dot-Embedded Sodium Alginate Hydrogel Films as a Fluorescence Sensing Platform for Atrazine
11	2:00–2:15 PM	Riley Carter, University of Albany	Detection of Oral Fluid on Common Substrates Using Raman Hyperspectroscopy and Machine Learning for Forensic Applications
12	2:20–2:35 PM	Maya Weathers, Quinnipiac	Comparing Ultraviolet Light Dosage Using Chemical Light Meters

13	2:40–2:55 PM	Mona Rahimi, University of Albany	Raman Spectroscopic Characterization of Hexosylceramide-Associated Lipid Alterations in Ovarian Cancer Cells
14	3:00–3:15 PM	MacKenzie Gascon, University of Albany	Gunshot Residue Analysis Using Raman Spectroscopy: A Workflow-Compatible Forensic Approach
	3:20–3:30 PM		Break
15	3:30–3:45 PM	Nancy Ihechu, University of MO	Continuous-Time Quantum Walk (CTQW) — A Different Lens on Molecular Similarity
16	3:50–4:05 PM	Julianne Chan, John Hopkins	Influences of Iron and pH on Phenolic Antioxidant Reactivity with Free Chlorine in Plastic Pipes
17	4:10–4:25 PM	Lis Shala, WV Weslean	Raman Spectroscopy of Minerals Under Simulated Lunar Conditions
18	4:30–4:45 PM	Thanuka Sandeepa Ranatunga Henaka Ralalage, Temple U.	Effect of Filtration-Induced Analyte Adsorption on Quantitative Analysis
19	4:50–5:05 PM	Kaleb Sharrer, University of S FL	Superhydrophilic Zwitterionic Self-Assembled Monolayers for Surface Acoustic Wave Nebulization Mass Spectrometry (SAWN-MS)
20	5:10–5:25 PM	Kushani Mendis, University of MD	Real-Time Monitoring of Protein Corona Formation on Polymer Dots Using Fluorescence Resonance Energy Transfer Spectroscopy
21	5:30–5:45 PM	Ryan Li, NJ Institute of Tech	Application of Raman Spectroscopy for the Development of High Crystallinity and Oriented Polyethylene Films
22	5:50–6:05 PM	Summer Henson Patrick Landry, RPI	Using Density Functional Theory Methods to Probe the Energetics of the Quinone Intermediates of the Photosynthetic Reaction Center, Photosystem I
	6:05–6:15 PM	Closing Remarks	Closing of the presentation sessions and transition to the Social Hour
	6:15–6:30 PM	VSS Social Hour and Judge Deliberation	Networking and discussion while judges finalize evaluations and scores are compiled
	6:30–7:00 PM	Winner Announcement	Winner announcement, recognition, and final closing remarks

Thank you for joining us!

We hope to see you at EAS this November 16-18, 2026
Crowne Plaza Conference Center
Plainsboro, NJ

[Click here to register](#)