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DEPARTMENTS

Student Chapter News Summer 2026

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ECS British Columbia Student Chapter

The ECS British Columbia Student Chapter hosted a Career Day centered on an interactive panel discussion at the University of British Columbia (UBC) on November 24, 2025. The event began with a curriculum vitae workshop led by Prof. **Tim Storr** of Simon Fraser University.

Recognizing the critical need to bridge academic study with professional practice, the chapter organized a focused Q&A session featuring local leaders in the field of electrochemistry. The panel included Ms. **Nika Kafeety**, PDF Solutions; Dr. **Hanshuo Liu**, National Research Council of Canada; Prof. **Elod Gyenge**, UBC; Mr. **O'Rian Reid**, Nano One Materials Corp.; and Dr. **Javad Parnian**, Mangrove Lithium. This initiative provided a platform for students from regional institutions to engage directly with experts. Driving visibility for both the chapter's organizational capabilities and British Columbia's robust electrochemistry sector, the curated panel offered students concrete career advice aligned with current industrial and academic demands. The invited leaders represented a cross section of British Columbia's innovative energy and materials industries, providing clear explanations of the skills required to succeed in specialized roles. Attendees gained objective insights into the realities of the profession, learning how their academic training could be directly applied to commercial advancement and applied research.

Building on this momentum, the chapter is currently organizing the *Young Electrochemist's Symposium (YES 2026)*, an event designed for students to showcase their research to regional peers. Invited speakers will lecture on their current work in electrochemistry.



Panelists at the ECS British Columbia Student Chapter Career Day were (seated from left to right): Ms. **Nika Kafeety**, *PDF Solutions; Prof.* **Elod Gyenge**, *University of British Columbia; Dr.* **Hanshuo Liu**, *National Research Council of Canada; Dr.* **Javad Parnian**, *Mangrove Lithium; and Mr.* **O'Rian Reid**, *Nano One Materials Corp.*
Photo: Daelin Peel-Smith

ECS Case Western Reserve University Student Chapter

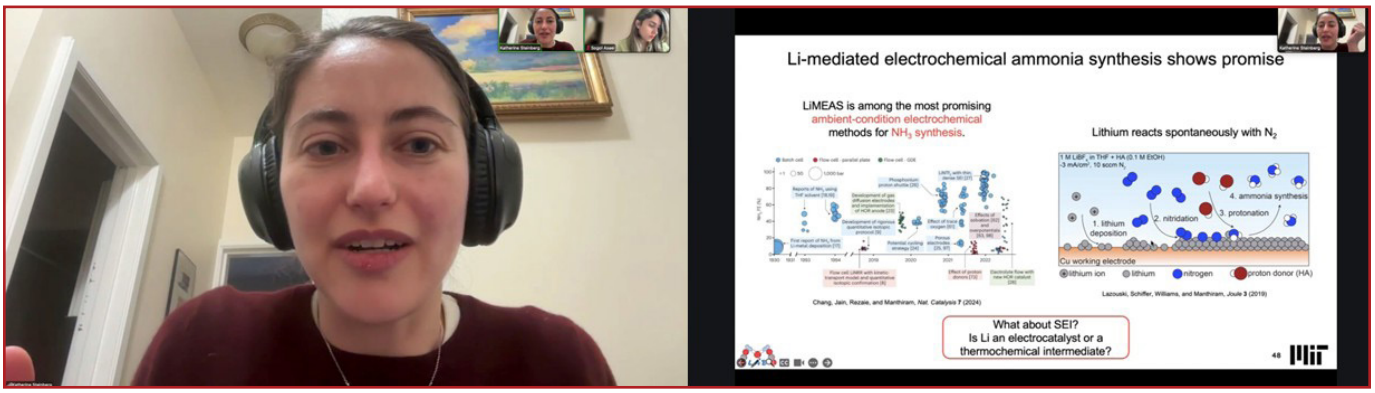


Dr. **Zachary Bergseth**, *Sherwin-Williams, delivers "Electrochemistry Use in the Coatings Industry" via Zoom as part of the ECS Case Western Reserve University (CWRU) Student Chapter's Lecture Series.*
Photos: ECS Case Western Reserve University Student Chapter

Dr. **Zachary Bergseth**, R&D Chemist II at Sherwin-Williams, presented "Electrochemistry Use in the Coatings Industry" on March 11, 2026, as part of the chapter's *Electrochemistry Lecture Series*. He emphasized how coating technology continues to evolve in response to increasingly strict global regulation and performance demands. Dr. Bergseth discussed the application of electrochemical techniques such as electrochemical impedance spectroscopy (EIS), potentiodynamic polarization (PDP), and galvanic corrosion measurements in evaluating coating durability and performance. These methods are essential for screening formulations, diagnosing potential failures, and optimizing new materials before commercialization. The session provided valuable insight into how electrochemistry is applied in industrial settings to develop advanced, reliable, and sustainable coating systems.

On March 4, 2026, the chapter hosted a lecture by Dr. **Katherine Steinberg**, postdoctoral researcher at Columbia University, titled "Unveiling Composition–Functionality Relationships at Lithium Metal Solid Electrolyte Interphases." The lecture focused on the

(continued on next page)



Dr. **Katherine Steinberg**, *Columbia University, lectures via Zoom on the lithium metal solid electrolyte interphase (SEI).*

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ECS CWRU Student Chapter members enjoy a year-end celebration at The Jolly Scholar.

fundamental challenges associated with lithium metal anodes, particularly the formation and behavior of the solid electrolyte interphase (SEI). Dr. Steinberg explained how the SEI must remain stable while allowing efficient lithium-ion transport, and how its composition directly influences battery performance, capacity loss, and long-term stability. Using advanced techniques such as EIS and titration gas chromatography, her work demonstrates how specific SEI components govern ionic conductivity and reactivity at lithium surfaces. The talk also highlighted strategies to improve electrolyte design and enable more efficient and stable lithium-based energy storage systems.

The chapter wrapped up 2025 with a lively *Year-End Celebration and Networking Reception* on December 5 at The Jolly Scholar in Cleveland. Chapter members came together in a relaxed and festive setting, which provided an opportunity to reflect on the year's accomplishments and strengthen community connections. Attendees enjoyed food, refreshments, and engaging conversation, celebrating academic progress and research milestones achieved throughout the year. The gathering fostered a sense of camaraderie among members and created a welcoming space for networking and collaboration. This event highlighted the chapter's strong community spirit and set a positive tone for continued success in the upcoming year.

ECS Gdańsk University of Technology Student Chapter

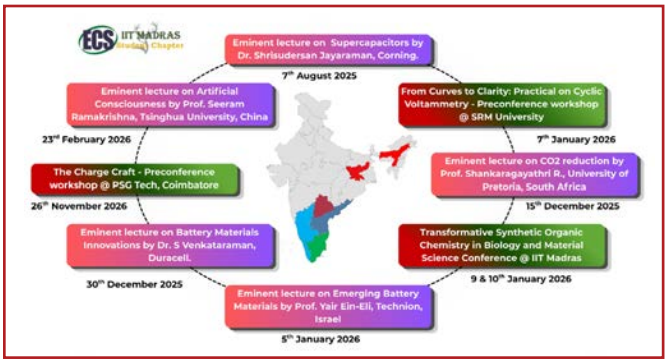
The interdisciplinary ECS Gdańsk University of Technology Student Chapter (also known locally as the RedOx Student Research Group) brings together students from multiple faculties with a shared interest in electrochemistry and advanced materials. The chapter is actively engaged in scientific research, educational initiatives, and science outreach activities. Members regularly organize demonstrations and workshops to promote scientific awareness among diverse audiences—particularly younger participants—and foster enthusiasm for experimental science and innovation.

The chapter's research activities focus on electrochemical systems, additive manufacturing, and sustainable material development. A key project, *UP-S! Electrochemistry 5.0: Recovery of Raw Materials and Advanced Additive Technologies for Biosensing Applications*, funded by the Polish Ministry of Science and Higher Education (MNiSW), explores innovative upcycling strategies for converting organic waste into highly conductive carbon materials. These materials are designed for electrochemical applications, including environmental biosensors and integration with advanced fabrication techniques such as 3D printing, aligning sustainability with technological advancement.

At the same time, the student chapter RedOx group is involved in the BIO-SKAN project, aimed at developing a portable electrochemical tool for rapid microbiological detection. Conducted under the supervision of Dr. Eng. **Mateusz Cieślik** and in collaboration with the Bakterioza Student Research Group at the University of Gdańsk, this initiative focuses on designing a miniaturized measurement chamber for analyzing microbial growth and volume. The functionality of the device is validated against standard microbiological methods, ensuring reliability and applicability in real-world diagnostic and environmental monitoring scenarios.

ECS Indian Institute of Technology Madras Student Chapter

On August 7, 2025 over the past six months, the ECS Indian Institute of Technology (IIT) Madras Student Chapter has emerged as a vibrant hub of scientific dialogue and innovation, curating a series of high-impact lectures by distinguished experts that bridge academia and industry. Dr. **Shrisudersan Jayaraman**, Principal Scientist – Electrochemistry at Corning Inc., illuminated the journey of supercapacitors from material discovery to commercialization. Prof. **Shankara Gayathri Radhakrishnan**, University of Pretoria, spoke on December 15, 2025, on transformative pathways in electrocatalysis, converting CO_2 into valuable multi-carbon products. On December 30, 2025, Dr. **S. Venkataraman**, R&D Director, Duracell India, offered an industry-centric perspective on battery material innovation. Prof. **Yair Ein-Eli**, Technion – Israel Institute of Technology, presented a talk on January 5, 2026, about the evolution of next-generation energy storage technologies, from Li-ion to emerging Si-ion concepts. The intellectual landscape was further enriched by interdisciplinary thought, most notably on February 23, 2026, through



In late 2025 and early 2026, the ECS Indian Institute of Technology Madras Student Chapter conducted events featuring significant speakers and at important conferences.



Participants gather at the international conference on Transformative Synthetic Organic Chemistry in Biology and Material Science *at IIT Madras (January 9–10, 2026), held in honor of Prof.* **Indrapal Singh Aidhen**'s *contributions to carbohydrate chemistry.*
Photo: Santhoshini Murugan, IIT Madras, Chennai



Participants and organizers gather for the chapter-organized PSG Tech, Coimbatore, Pre-Conference Workshop during the International Conference on Sustainable Technologies for Energy and Environment *(ICSTEE).*
Photo: Biji Pullithadathil, PSG Institute of Advanced Studies, Coimbatore



Prof. **Seeram Ramakrishna**, *Tsinghua University, presents "Nature of Artificial Consciousness?" on February 23, 2026, as part of the chapter's lecture series.*
Photo: Sandeep Kumar, IIT Madras, Chennai

the provocative lecture "Nature of Artificial Consciousness?" by Dr. **Seeram Ramakrishna**, whose global academic leadership spans Tsinghua University and the National University of Singapore.

These events, which also are reflected in the chapter's ongoing initiatives highlighted on ecsiitm.com, underscore a commitment to fostering dialog at the intersection of materials science, energy, and emerging technologies. Each session not only disseminated cutting-edge knowledge but also inspired students and researchers to envision broader applications and societal impact.

Beyond lectures, the chapter demonstrated a strong collaborative spirit through its active participation in workshops and international conferences and hands-on learning experiences. They empowered participants with practical analytical skills through *The Charge Craft* at PSG College of Technology, Coimbatore, on November 27, 2025, alongside the *International Conference on Sustainable Technologies for Energy and Environment* (ICSTEE), and *From Curves to Clarity* at the SRM Institute of Science and Technology, Chennai, on January 7, 2026, during the *International Conference on Green Hydrogen and Energy Technologies 2026*. The chapter's involvement extended to supporting the international conference on *Transformative Synthetic Organic Chemistry in Biology and Material Science* at IIT Madras, January 9–10, 2026, held in honor of Prof. **Indrapal Singh Aidhen**'s remarkable contributions to carbohydrate science. Together, these initiatives reflect a dynamic ecosystem where knowledge exchange, mentorship, and global collaboration converge, defining the chapter as a catalyst for scientific excellence and community engagement. Through these workshops, the chapter reached out to 400+ MS and PhD students in STEM, popularizing electrochemistry, a vision they share with ECS.

ECS Montréal Student Chapter

The ECS Montréal Student Chapter elected their 2026 Executive Committee in January and looks forward to organizing multiple scientific events for its members! Upcoming chapter events include an educational webinar with Pine Research Instrumentation and a *Sip of Science* networking event with student presentations.



The 2026 ECS Montréal Student Chapter Executive Team (from left to right): President **Naïla Corcoran**, *Vice-President* **Thomas Boulanger**, *Secretary* **Marwa Chaaben**, *Treasurer* **Brittany Pelletier-Villeneuve**, *Education Executive* **Louis Hamlet**, *Media Executive* **Ludmila Madalena**, *Internal Affairs Manager* **Safa Chaaben**, *Website Manager* **Alizée Debiais**, and *Supporting Member* **Tristan Perodeau**.
Photos: The ECS Montréal Student Chapter Executive Team

ECS Munich Student Chapter



ECS Munich Student Chapter members visit Symbio in Lyon, France. Photos: Lara Link

As part of its mission to strengthen scientific exchange and build bridges between academia and industry, the ECS Munich Student Chapter organized a visit to Symbio in Lyon, France, in November 2025. As a leading company in fuel cell technology, Symbio provided the chapter's members with valuable insights into fuel cell stack and system design. The visit featured a comprehensive tour of the company's R&D laboratories, testing facilities, and production site, giving participants a firsthand look at the development and manufacturing processes behind modern fuel cell systems. Beyond the technical program, the trip also aimed to strengthen the chapter's internal network. Exploring the city of Lyon fostered team spirit and encouraged new connections within the group. The combination of technical exchange and shared experiences contributed to a highly engaging and rewarding visit for all participants. The chapter thanks **Julien Durst**, Electrochemical Engineer, Symbio, and the Symbio team for organizing this visit and for giving the chapter such a valuable look into Symbio's work.

The chapter concluded an exciting 2025 in December with its annual Christmas party. It was the perfect opportunity to celebrate the chapter's achievements, reconnect with friends and colleagues outside the lab, and hold the annual board elections. The newly elected executive board members leading the chapter through 2026 are President **Lara Link**, Vice President **Antonia Pawlowski**, Treasurer **Corbinian Grön**, and Secretary **Noémie Sorrentinella**. As the chapter continues to grow, it extends its deepest gratitude to outgoing presidents **Vivian Meier** and **Franziska Hnyk**. Their diligent commitment, leadership, and dedication were instrumental in the chapter's success over the past year.

Wasting no time carrying their momentum into the new year, the chapter kicked off 2026 in February with a technical visit to the Tesla Gigafactory Berlin-Brandenburg. This excursion provided members with impressive, firsthand insights into high-volume electric vehicle production. During a guided tour of the production lines, students observed the high level of automation and advanced robotics required for next-generation mobility. A key focus of the event was the integration of engineering and digitalization within gigafactory operations, prompting deep-dive discussions on battery production and sustainable manufacturing strategies. Seeing the precision of these automated systems in action reinforced the chapter's goal of bridging academic theory with large-scale industrial practice. A big thank you goes out to the Tesla team, especially Cell Engineers **Philip Rapp**, **Simon Qian**, and **Fabian Linsenmann**, for their warm welcome and for organizing such an insightful tour.

This year sees a robust schedule of events, including new sessions of the chapter's popular *Materials & Methods Club*, more exciting company visits, and continuous opportunities for interdisciplinary exchange. The chapter looks forward to another fantastic year of advancing electrochemistry and solid state science within its student community!



The ECS Munich Student Chapter celebrates at its 2025 holiday party, with the new 2026 officers (front from left to right): Treasurer **Corbinian Grön**, *Secretary* **Noémie Sorrentinella**, *Vice President* **Antonia Pawlowski**, and *President* **Lara Link**.

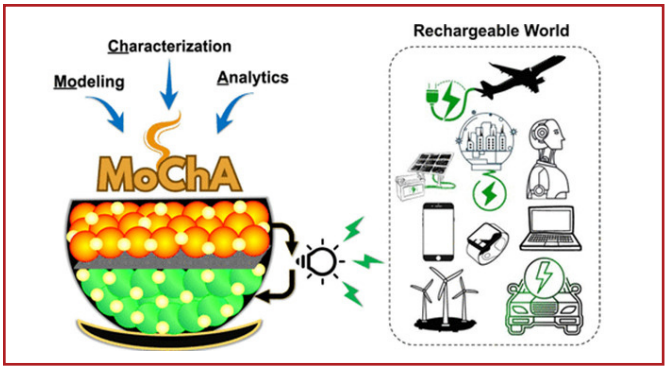


In February 2026, ECS Student Chapter Munich members explored the future of EV manufacturing during a technical tour of the Tesla Gigafactory Berlin-Brandenburg in Grünheide.

ECS Purdue University Student Chapter

The fall 2025 semester saw the ECS Purdue University Student Chapter contribute to the broader electrochemical energy community by publishing an energy focus article in *ACS Energy Letters*, introducing **MoChA**: **Mo**deling, **Ch**aracterization, and **A**nalytics in Electrochemical Energy Systems as an integrated approach to advancing electrochemical energy systems. Positioned at the intersection of fundamental science and applied engineering, this work highlights how complex, multiscale phenomena governing batteries and related technologies can be addressed through the synergy of physics-based modeling, advanced characterization techniques, and data-driven analytics. By bridging length scales from atomic interactions to system-level performance, the framework presents a unifying vision for addressing persistent challenges in performance, degradation, and safety of next-generation energy storage systems.

The chapter kicked off its *2026 MoChA Webinar Series* in February with a seminar titled "Battery Analytics from the Lens of EV Diagnostics" by Dr. **Sobana Rangarajan**, Modeling Engineer Battery Analytic at General Motors and alumna of Purdue University Energy and Transport Sciences Laboratory (ETSL).The session highlighted the growing role of data-driven methodologies in electrochemical systems, connecting fundamental electrochemical principles with real-world applications in transportation and grid systems. Drawing on her industry experience, Dr. Rangarajan discussed how physics-informed models and advanced analytics are used to enhance battery performance, reliability, and safety across their lifecycle. The session concluded with an engaging discussion spanning both technical topics and career pathways.



*The ECS Purdue University Student Chapter published an energy focus article, "**MoChA**: **Mo**deling, **Ch**aracterization, and **A**nalytics in Electrochemical Energy Systems," by* **D. Chatterjee**, **P. Mitra**, **A. Singla**, **S. Banerjee**, **A. S. J. Alujjage**, *and* **P. P. Mukherjee**, *in* ACS Energy Letters *(2025, **10**, 7, 3430–3436).*



Dr. **Song Xu**, *Nanocue Technology & Molecular Imaging, presented "3D Desktop Manufacturing for In Situ AFM Studies," a seminar organized by the ECS Purdue University Student Chapter and co-hosted with the Wu Group.*
Photo: Pretty Mitra

Building on this momentum, the chapter hosted its second MoChA webinar in early March, featuring Dr. **Daniel Juárez-Robles**, Senior Research Engineer, Southwest Research Institute and ETSL alumnus. His talk, "Structural Insights and Performance Characterization," presented a comprehensive perspective on lithium-ion battery design, emphasizing the interplay between cell architecture, material behavior, and performance evaluation. His insights highlighted the importance of integrating electrochemical, thermal, and mechanical characterization to bridge laboratory-scale observations with system-level understanding. The session fostered thoughtful discussion on both technical concepts and professional development.

The chapter hosted an engaging in-person seminar by Dr. **Song Xu**, Nanocue Technology & Molecular Imaging, organized by the ECS Purdue University Student Chapter and co-hosted with the Wu Group. His talk on 3D desktop manufacturing and its application to in situ atomic force microscope (AFM) studies of lithium battery electrode morphology provided valuable insights into microscale structural evolution and its implications for energy storage performance. With a strong foundation in mechanical engineering and machining, Dr. Xu demonstrated how practical research challenges can be translated into innovative solutions through rapid prototyping of AFM equipment accessories. The session drew a highly engaged audience and sparked lively discussion.

A special highlight of March 2026 was recognition of the chapter's many successful years, honoring its former presidents, Dr. **Susmita Sarkar**, **Debanjali Chatterjee**, **Aditya Singla**, **Sourim Banerjee**, and **Anuththara Alujjage**, and acknowledging the Founding and Lead Faculty Advisor, Prof. **Partha P. Mukherjee**, whose leadership helped shape the chapter into the vibrant and impactful community it is today. Their contributions to scientific outreach, community building, and the establishment of initiatives such as Women in Electrochemical Sciences & Engineering (WIESE) and the MoChA series were acknowledged in a moment reflecting both gratitude and continuity. The recognition underscored the strong foundation for future growth as current members continue to build on this legacy.

The chapter extends its sincere appreciation to The Electrochemical Society for providing a platform to showcase their initiatives to a global audience. The chapter is especially grateful to Lead Faculty Advisor Prof. Partha P. Mukherjee, for his invaluable guidance and continued support. They also thank the readers of *ECS Interface* and invite them to stay connected with the latest activities through our Twitter handle: @EcsPurdue.



The ECS Purdue University Student Chapter organized a special event honoring its leadership (from left to right): Lead & Founding Faculty Advisor Prof. **Partha P. Mukherjee**, *President* **Pretty Mitra**, *and Vice President* **Pooja Ranganathan**.
Photo: Sooyon Chang

ECS Ontario Tech University and Trent University Student Chapter

The Ontario Tech University and Trent University ECS Student Chapter hosted its *STEM Coffee Chat* event in collaboration with Ontario Tech-Trent Working for Inclusivity in Chemistry (OTT-WIC) on March 25, 2026, at the Trent University Campus. The chapter set up a table outside the Chemistry Lounge, providing complimentary snacks, coffee, and tea to interested students and faculty. This event was a great opportunity for networking with undergraduate and graduate students. The chapter recruited several new members. Big thanks to OTT-WIC's Copresident **Josephine Esposto** for helping to organize the STEM Coffee Chat. The chapter looks forward to more collaborative events in the future!



The chapter's executive team offer complimentary snacks and beverages at the STEM Coffee Chat *event. From left to right: Treasurer* **Louis Tsakiris**, *Chair* **Fanqi Kong**, *Secretary* **Cordelia Adams**, *and Vice Chair* **Tyra Lewis**, *with event co-organizer* **Josephine Esposto**, *Copresident, Ontario Tech-Trent Working for Inclusivity in Chemistry*.

ECS Texas A&M University Student Chapter

Resilient is the best word to describe the ECS Texas A&M University (TAMU) Student Chapter's spring 2026 events and exhibitions. In the field of engineering, resilience is known as the ability to absorb or avoid damage and carry on. The chapter could not have demonstrated resilience any better than it did during its events this semester.

The chapter hosted its *Callout and Social Meeting* on January 29. Chapter President **Autumn Kudlack** informed attendees about upcoming events and opportunities, including working on an outreach project, ice skating, electing officers, and participating in an upcoming research day. New members learned about the chapter and The Electrochemical Society. After the presentation, attendees kicked off the semester with food and games.

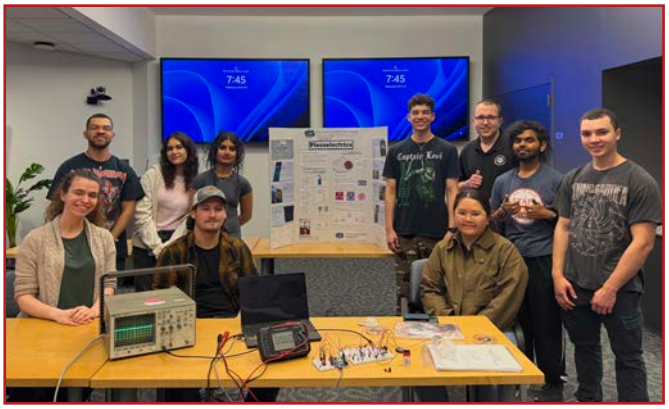
The *Ice Skating Social* took place on February 14 with attendees practicing their skills or learning something new about the art of skating on ice. Sometimes people fell, but they got back up and continued trying. Although the event was centered around a non-science activity, the group could not keep from talking about their research or scientific interests. Thus, they learned from each other in different formats.

On March 27, the chapter held an exhibition on piezoelectric materials as part of the annual TAMU *Night at the ZACH* event. More than 3,000 people attended, including K-12 students invited to attend the *Texas Science & Engineering Fair* (TXSEF), their families, and other students and members of the public. The chapter chose to explore a set of materials that embody resilience by absorbing physical stress, enduring, and going on to produce a usable voltage. Chapter members showed how a piezoelectric membrane, or diaphragm, can be used to record a voice and then play back the recorded sounds. They went on to demonstrate a separate circuit, showing how an LED can be powered by the electricity generated from the piezoelectric diaphragm.

The event's success is due to the many chapter members who volunteered and dedicated themselves to the project. They helped both during the recurring preparation meetings and by engaging the audience at the event. The members' desire to promote electrochemical and solid state science and technology prevailed despite some challenges. Special thanks to **Laura Hoagland** who made chemical models, **Autumn Kudlack** for organizing, **Jason**



ECS Texas A&M University Student Chapter members play games at the January 29 callout meeting.
Photo: Laura Hoagland



Student Chapter members present their piezoelectric project while preparing for Night at the ZACH *(back to front, from left to right):* **Robert Marshall**, **Virginia Cecchelli**, **Meenakshi Nair**, **Connor Dixon**, **Jason Kress**, **Walin Moorsol**, **Tiago Sousa**, **Autumn Kudlack**, **Drew Kolega**, *and* **Nik Suphavilai**.
Photo: Kazi Araf Sayeed

Kress for creating an animation, **Walin Moorsol** for coding, **Tiago Sousa** for modeling and 3D printing a part, and **Connor Dixon** who had the idea and knew the circuitry.

The chapter recognizes the new officers elected during the spring 2026 semester: Vice President Walin Moorsol, Treasurer Connor Dixon, Secretary Tiago Sousa, and Undergraduate Representative **Robert Marshall**. In addition, we are very grateful for past officers **Wynn Miholits**, Laura Hoagland, and **Kazi Araf Sayeed**. Notable events that they took part in include the *2025 Texas Section ECS Symposium* at Texas A&M, *Lab Games*, and *Chemistry Open House*. These individuals helped plan several outreach events throughout Texas with related project demonstrations, research, and collaboration. The chapter wishes them all the best in their future endeavors, knowing that they will move forward with resilience.

ECS Texas Tech University Student Chapter

The ECS Texas Tech University Student Chapter had a productive semester from December through March, one which was notable for leadership transition, student engagement, and increased chapter visibility.

Following elections, the new leadership team began its term in January 2026. The officers are President **Sergio A. Arias**, Vice President **Jessica Ortega Ramos**, Secretary **Sergio Arango,** Treasurer **Daniela Ferreira Garcia**, and Undergraduate Chair **Bianca Camacho**.

Other major milestones included the launch of the chapter's new website, ecsttustudents.com, developed as a modern platform to share chapter activities, opportunities, and organization updates. On January 28, the chapter hosted its *Kick-Off Meeting*, welcoming graduate and undergraduate students and helping build strong momentum for the semester. To strengthen its visual identity, the chapter organized a logo competition in March. Several creative designs were submitted. The finalists were shared on Instagram and the community voted through likes. This initiative increased member participation and resulted in a renewed chapter identity.

The chapter was active in STEM outreach and professional engagement throughout the semester. Members participated in *Día de Ciencias* (Science Day) on March 7. Organized by the Society of Hispanic Professional Engineers (SHPE) at Texas Tech University, the event took place at the Science Spectrum in Lubbock, TX. Chapter members gave hands-on demonstrations to children and families, introducing concepts in energy and electrochemistry through interactive experiments, fuel cells, and solar-powered cars. This activity, which highlighted the importance of scientific outreach and communication, made STEM more accessible to the community.

On March 27, the chapter hosted the *Drive the Future: Hands-On Electrochemistry and Energy Storage Workshop* at the *2026 AIChE Southwest Regional Conference*. The workshop welcomed students from universities across Mexico, Louisiana, and Texas, providing a collaborative environment for hands-on learning and networking. Through interactive demonstrations and activities, participants explored how electrochemistry powers real-world energy technologies.

In April, the chapter launched the virtual *ECS at TTU Online Electrochemistry Seminar Series*, featuring five invited speakers. This seminar provided students and attendees with opportunities to engage with researchers and professionals from diverse areas of electrochemical science and engineering, further strengthening the chapter's academic and professional programming.

Looking ahead, the ECS TTU Student Chapter is excited to host the *2026 ECS Texas Section Symposium* at Texas Tech University from September 18 to 20, 2026. Planned activities include workshops, academic and industrial lectures, and lab visits.



On March 7, 2026, ECS Texas Tech University Student Chapter officers led STEM outreach activities and hands-on electrochemistry demonstrations at Día de Ciencias *(Science Day). From left to right: Vice President* **Jessica Ortega Ramos**, *Secretary* **Sergio Arango**, *President* **Sergio A. Arias**, *and Undergraduate Chair* **Faith Alonge**.

The ECS Texas Tech University Student Chapter hosted a chapter-wide competition to update its logo.



Participants and volunteers gather during the Drive the Future: Hands-On Electrochemistry and Energy Storage Workshop *at the* 2026 AIChE Southwest Regional Conference.

ECS Toronto Metropolitan University Student Chapter

The ECS Toronto Metropolitan University (TMU) Student Chapter continued to expand its activities in fall 2025 by organizing impactful, research-focused events that strengthened collaboration across institutions.

In October 2025, the chapter hosted Dr. **Behnam Nourmohammadi Khiarak** from the University of Toronto for a seminar titled "CO_2 Electroreduction on the Road to Industrialization: Challenges and Opportunities." He shared insights into the challenges and opportunities of CO_2 electroreduction technologies and highlighted their potential role in shaping sustainable fuels and chemicals. His talk provided valuable perspectives on bridging fundamental research and industrial application.

In November 2025, the chapter hosted its flagship event, the *Annual ECS TMU Student Chapter Conference 2025 on Electrochemical Technologies for Sustainable Energy*. Held in a hybrid format, the conference brought together PhD, MSc, and postdoctoral researchers from TMU, the University of Toronto, and the University of Connecticut. Participants presented cutting-edge research on topics that included water electrolyzers, CO_2 electroreduction, platinum group metal recovery, and PEM fuel cells. Research groups led by Dr. **ChungHyuk Lee** and Dr. **Hadis Zarrin** (TMU), Dr. **Aimy Bazylak** (University of Toronto), and Dr. **Jasna Jankovic** (University of Connecticut) contributed to the program, fostering engaging discussion and interdisciplinary collaboration.

In addition, the chapter introduced its new executive board for 2026, reflecting continued growth and leadership development within the student community. The newly appointed officers are Chair **Mahdis Zareie**, Vice Chair **Masoud Khalili**, Secretary **Dana Brown**, Treasurer **Seyed Mohammad Ali Manzourolajdad**, and SOP officer **Fazele Karimian Bahnamiri**. With the continued support of faculty advisors Dr. ChungHyuk Lee and Dr. Hadis Zarrin, the chapter remains committed to promoting electrochemical science and building a collaborative research network across institutions. Through these initiatives, the chapter is building a vibrant community and opening new doors for students to explore the exciting world of electrochemistry. Stay tuned for updates on future seminars, workshops, and collaborative events.



The ECS Toronto Metropolitan University (TMU) Student Chapter hosted Dr. **Behnam Nourmohammadi Khiarak** *from the University of Toronto for a seminar titled "CO_2 Electroreduction on the Road to Industrialization: Challenges and Opportunities." From left to right: Chapter members* **Yi Ren** *and* **Amira Mohamad**, *Chair* **Mahdis Zareie**, *Dr.* **Behnam Nourmohammadi Khiarak**, *SOP Officer* **Fazele Karimian Bahnamiri**, *Vice Chair* **Masoud Khalili**, *and Treasurer* **Seyed Mohammad Ali Manzourolajdad**.
Photo: Dhanvin Lad



The chapter hosted its joint annual conference on electrochemical technologies for sustainable energy with the University of Toronto and the University of Connecticut.
Photo: Dhanvin Lad

ECS University at Buffalo Student Chapter

The ECS University at Buffalo Student Chapter was relaunched in the fall of 2025, marking an exciting new chapter for the campus electrochemistry community. The new chapter officers are President **Shwetha Prakash**, Vice President **Pratahdeep Gogoi**, Treasurer **Gina DelMonache**, Secretary **Rachel Snider**, and Faculty Advisor Dr. **Chris Li**. Together, we are working to build a strong and active chapter that connects students and researchers across disciplines who share an interest in electrochemistry and solid state science.

The chapter started the 2026 academic year with a successful kickoff event on February 9, 2026, which drew 32 attendees from diverse backgrounds in chemistry, engineering, materials design, and physics. The event served as an important first step in recruiting new members, helping to introduce them to ECS's mission and the opportunities the student chapter hopes to create. Undergraduates, graduate students, and postdoctoral researchers came together to learn more about ECS and what the chapter has planned, and to meet with fellow like-minded colleagues.

The chapter launched its official LinkedIn page (https://www.linkedin.com/company/ubecs) to strengthen outreach, support

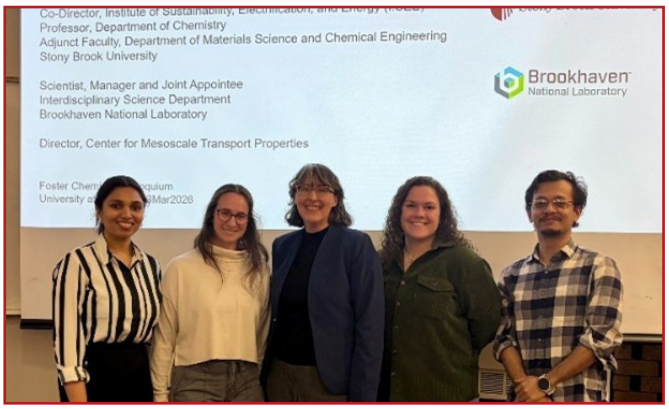


ECS University at Buffalo Student Chapter board members pose at the 2026 kickoff event with rubber ducks which were passed out as favors (from left to right): Treasurer **Gina DelMonache**, *President* **Shwetha Prakash**, *Faculty Advisor Dr.* **Chris Li**, *Vice President* **Pratahdeep Gogoi**, *and Secretary* **Rachel Snider**.

recruitment efforts, and share updates on upcoming events, chapter activities, and professional opportunities.

For the second event of the semester, on March 13, 2026, the chapter co-hosted renowned electrochemist Prof. **Amy Marschilok**'s seminar on battery technology, "Electrochemistry Energy Storage: A Keystone for a Sustainable Energy Future," part of the *Foster Chemistry Colloquium Series*. Prof. Marschilok, Professor of Chemistry at Stony Brook University and Scientist at Brookhaven National Laboratory—and long-time ECS member—discussed the critical role of batteries in transportation and the energy grid and highlighted the importance of balancing battery materials and design considerations to achieve safety, efficiency, and cost-effectiveness. The seminar attracted an excellent turnout, with more than 50 students and faculty members attending from the electrochemical energy storage and sustainable energy research community across the University at Buffalo.

The chapter's upcoming events will continue building an interdisciplinary community of students and researchers interested in electrochemistry. *ECS Interface* readers are encouraged to follow the chapter's LinkedIn page for updates on events, chapter activities, and announcements.



The student chapter co-hosted Prof. **Amy Marschilok***'s seminar "Electrochemistry Energy Storage: A Keystone for a Sustainable Energy Future." From left to right: President* Shwetha Prakash, *Secretary* Rachel Snider, *Presenter* Amy Marschilok, *Treasurer* Gina DelMonache, *and Vice President* Pratahdeep Gogoi.

ECS University of Michigan Student Chapter

During the spring 2026 semester, the ECS University of Michigan Student Chapter fostered academic enrichment and collaboration in electrochemistry by hosting engaging talks and interactive networking opportunities for students and researchers across campus.

The chapter organized a series of seminars in electrochemistry, featuring professors and industry professionals from across the State of Michigan and beyond. Early in the semester, Dr. **Andrew Getsoian**, Technical Specialist at Ford Motor Company, presented "Enthalpic and Entropic Contributions to the Phase Stability of Lithium-Nickel-Manganese Oxide Cathodes," which discussed the thermodynamics of different lithium-ion battery compositions, and the subsequent effect on material properties. Later in the term, the chapter hosted Prof. **Scott Calabrese Barton** from Michigan State University, who reviewed his group's approach to modeling complex systems at the interface of biology and electrochemistry in "Multiscale Modeling of Bioelectrocatalysis." In his virtual talk, "Peering inside a battery cell during electrochemical cycling," Dr. **Daniel P. Abraham**, a lead researcher at Argonne National Laboratory, detailed the operando methods used to analyze the interactions among battery cell components, and the implications of this work for battery longevity.

In addition to technical seminars, professional development was emphasized by opportunities for students to engage with industry professionals. The student chapter hosted Dr. **Enhui Liu** (Battery Modeling Engineer, Ford Motor Company), Dr. **Vamakshi Yadav** (Senior Researcher, General Motors), Dr. **Thomas Yersak** (Staff Researcher, General Motors), Dr. **Chengji Zhang** (Cell Component Engineer, Daimler Trucks), and Dr. **Rohan Patni** (Mechatronics Engineer, KLA Corporation), giving members the opportunity to network with leading professionals in the battery and semiconductor industries. The visiting professionals attended a networking dinner with student members, where they discussed career pathways, emerging industrial trends, and diverse scientific perspectives in electrochemistry. Additionally, the chapter continued to foster campus-wide collaboration by hosting an energy, industry, and engineering career panel in collaboration with the Graduate Society of Women Engineers (GradSWE) at the University of Michigan. The panel consisted of visiting professionals **Simon Miller** (Project Manager, Bechtel), **Hannah Ogrean** (Electrical Field Engineer, Bechtel), and Dr. **Ellie Honar** (Battery Cell Scientist, Ford Motor Company) who shared practical advice and future industrial outlooks.

The chapter celebrated a successful year with social events and activities that brought members together, strengthened the chapter's sense of community, and commemorated another year of academic and professional growth.



Battery and semiconductor industry leaders joined ECS University of Michigan Student Chapter members at a networking dinner.
Photos: Tung Nguyen



ECS University of Michigan Student Chapter members network with battery and semiconductor industry leaders.

ECS University of Toronto Student Chapter

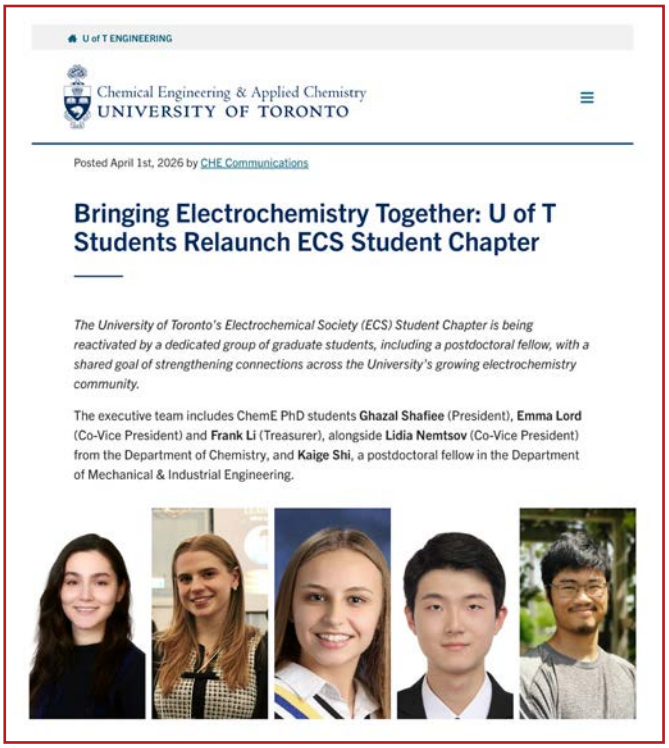
This year, a group of graduate students and a postdoctoral fellow reactivated the ECS University of Toronto Student Chapter with the shared mission of unifying the university's growing electrochemistry and solid state science communities and fostering greater synergy across diverse research groups and technical disciplines.

The university's Department of Chemical Engineering and Applied Chemistry honored the chapter with a news article promoting its upcoming kick-off event and initiatives. The hybrid kick-off meeting on April 2 welcomed 27 participants from five departments: Chemistry, Chemical Engineering and Applied Chemistry, Materials Science and Engineering, Mechanical and Industrial Engineering, and Physics and Environmental Sciences. The session provided an overview of the ECS's global impact and introduced the chapter's new executive committee. Prof. **Donald Kirk**, one of the chapter's faculty advisors, delivered a featured talk on the professional value of ECS. He highlighted essential resources for faculty and student members, including *ECS Interface*, biannual international meetings, and the various funding and professional development opportunities provided by the Society. The meeting concluded with a networking session and light refreshments.

The chapter is presenting a series of technical talks and workshops throughout the summer. To stay abreast of these initiatives, join the mailing list and follow the chapter on LinkedIn and Instagram. Looking ahead, the chapter is interested in expanding its reach through collaborations with other chapters and industrial fellows.



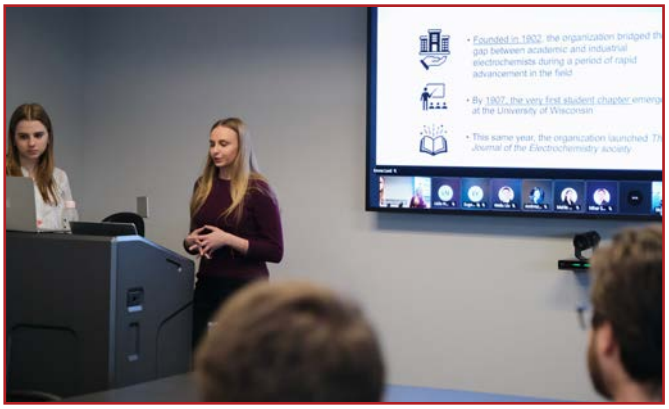
Prof. **Donald Kirk** *shares insights on the professional value of The Electrochemical Society at the kick-off meeting of the ECS University of Toronto Student Chapter.*
Photos: Yuhang Liao



The ECS University of Toronto Student Chapter's new executive team with a slide of the article, "Bringing Electrochemistry Together: U of T Students Relaunch ECS Student Chapter," featured in the university's Chemical Engineering News. *From left to right: President* **Ghazal Shafiee**, *Co-Vice Presidents* **Emma Lord** *and* **Lidia Nemtsov**, *Secretary* **Kaige Shi**, *and Treasurer* **Frank Li**.



The ECS University of Toronto Student Chapter's new executive team are (from left to right): Co-Vice President Lidia Nemtsov, *President* Ghazal Shafiee, *Treasurer* Frank Li, *Secretary* Kaige Shi, *and Co-Vice President* Emma Lord.



The ECS University of Toronto Student Chapter's Co-Vice Presidents (left) Emma Lord *and (right)* Lidia Nemtsov *highlight ECS history at the kick-off meeting.*

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Advancing solid state & electrochemical science & technology

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*Years of membership as of May 12, 2026

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UPCOMING MEETINGS

250th ECS Meeting
October 25–29, 2026
Calgary, Canada
BMO Centre

251st ECS Meeting
May 30–June 3, 2027
Washington, DC US
Walter E. Washington Convention Center and Marriott Marquis

252nd ECS Meeting
October 17–21, 2027
Detroit, MI US
Huntington Place Convention Center



253rd ECS Meeting
May 21–25, 2028
Gothenburg, Sweden
Swedish Exhibition & Congress Centre

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