

TRAINING HIGHLIGHT

APS March Meeting



A group of students from the University of Ottawa (Profs. Pawel Hawrylak, Adina Luican-Mayer), Université de Sherbrooke (Prof. Louis Gaudreau) and McGill University (Prof. Tamar Pereg-Barnea), attended the **American Physical Society's March Meeting 2024 in Minneapolis**.

Trainees presented their research, were exposed to the forefront of the field and took part in networking and career development activities. This included talks by 2023 Nobel Prize laureates, lunch with experts, invited and focused sessions. We had team dinners and met collaborators in person for project meetings.



TRAINEE SPOTLIGHT

Laurent Molino, PhD student

Laurent Molino is a 4th year PhD Student at uOttawa in Prof. Adina Luican-Mayer's group. We asked him to describe a typical day in the lab.

Thursday April 5th - "I start my day by perusing recent publications, checking in on research groups I follow, and conducting keyword searches in various libraries. I quickly skim through relevant articles and jot down notes on papers I plan to delve into further. Upon reaching the lab, my primary objective is to fabricate twisted bilayer TMD samples for upcoming scanning probe microscopy experiments. Although I encounter initial challenges with older flakes during the stacking process, a colleague kindly lends me fresher monolayers, enabling me to successfully produce three samples. These are promptly loaded into the furnace for annealing, ensuring they are prepared for tomorrow's experiments. Through the day also communicate with the other members of the organizing committee for our MaQTech summer school. Finally, I return home to delve deeper into the papers I identified earlier in the day".



OUTREACH

French high school physics teachers

MaQTech trainees participated in an outreach initiative jointly coordinated with uOttawa's Nexus for Quantum Technologies Institute.

On April 4th, 2024, they introduced quantum materials and provided a lab tour to 18 French high school physics teachers from North America (Chicago, Greenville, Los Angeles, New York, San Francisco, Calgary, Montreal, Toronto, and Ottawa).



KEY DATES

April 29th-May 3rd, 2024: Toronto, MaQTech Summer School joint with CIFAR Quantum Material meeting.

May 21st-23rd, 2024: uOttawa, 2nd Canada-France Quantum Alliance (CAFQA) workshop.

July 27th, 2024: uOttawa, MaQTech Annual Retreat. Don't miss our meeting, joint with [PQS2D](#) consortium, including talk sessions, reception and dinner.

July 28th-August 2nd, 2024: Ottawa – Shaw Centre, [International Conference on the Physics of Semiconductors](#).