

PQS2D

Programmable Quantum Simulators
based on 2D Materials



NEWSLETTER

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ENGAGEMENT

NSERC Quantum Alliance Consortia Day – February 18th, 2025 – Toronto

Members of the NSERC Quantum Alliance Consortia hosted a special one-day workshop. PQS2D co-principal investigators and students participated in presentations, exchanged ideas, and fostered research collaborations with fellow consortia members.



Quantum Days 2025 – February 19th to 21st, 2025 – Toronto

The PQS2D community was well represented and actively engaged in the poster sessions.

Professor Adina Luican-Mayer moderated the panel on training the quantum workforce. PQS2D co-principal investigators contributed to several sessions.



APS March 2025 - March 16th to 21st, 2025 – Anaheim (USA)

PQS2D students had an excellent opportunity to attend talks by renowned researchers and to present their own work.

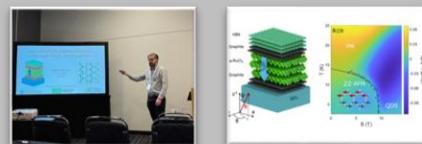
Alina Wania Rodrigues won an APS travel award! Congratulations!



Research Advances

ECS Meeting – May 18th to 22nd, 2025 – Montreal

Professor Mathieu Massicotte presented the research work 'Giant Anisotropic Magnetoresistance in Few-Layer α -RuCl₃ Tunnel Junctions'.



PQS2D and Science Colloquium Seminar – May 22nd, 2025 – Ottawa

Professor Louis Gaudreau discussed the latest publication in Science Advances 'Valley-spin polarization at zero magnetic field induced by strong hole-hole interactions in monolayer WSe₂'.

