



PQS2D

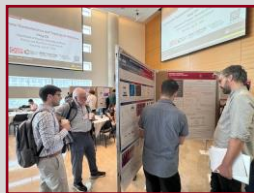
Programmable Quantum Simulators
based on 2D Materials



NEWSLETTER

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THE ANNUAL RETREAT 2024



The Annual Retreat 2024 was held at the University of Ottawa on July 27th, 2024 and welcomed nearly 70 participants. The retreat featured a mix of research updates, guest lectures, short talks, poster presentations, and special events.

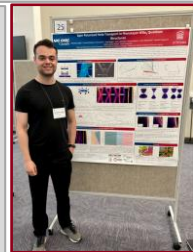
Research trainees appreciated the insightful presentations delivered by the Co-PIs and HQPs of the PQS2D program as well as special guests. Additionally, they had the chance to network and showcase their ongoing research during dynamic and engaging poster sessions.

Three special events took place: *the poster competition*, which sparked excitement among all HQPs; *one-on-one collaboration meetings* that facilitated idea exchanges between co-PIs and HQPs; and *“Bring Your Own CV”* sessions, which provided valuable feedback for research trainees.

The retreat concluded with a dinner at the “Working Title Kitchen”.

ENGAGEMENT

PhD student **Antoine Labbé**, uOttawa, presented his latest research on *Spin Polarized Hole Transport in Monolayer WSe₂ Quantum Structures* at the **Gordon Research Conference** on *Two-Dimensional Electronics Beyond Graphene*, held at Southern New Hampshire University, USA, from June 16 to 21, 2024.



KEY DATES

October 3rd, 2024, 2:45PM (EST): PQS2D Seminar, *Magnons, magnon polarons and spin-entangled optical resonances in semiconducting van der Waals antiferromagnet*, **Dr. Marek Potemski**, LNCMI-Grenoble CNRS France.

November 2024: PQS2D Seminar, **Dr. Ziliang Ye**, University of British Columbia. Stay tuned for more details.

