



NET

Queen's Nuclear Engineering Team

SPONSORSHIP PACKAGE

2026-2027



Why sponsor us?

With over 50 people recruited before our launch this Fall, sponsoring our 2026-2027 Year means:



You are investing in a club that aims to educate **aspiring undergraduates** about nuclear concepts and the industry through hands-on projects. By providing early, direct exposure to students, we are building a more accessible path into the field—ultimately increasing the supply of skilled, industry-ready nuclear engineers.



As an inaugural partner, you have unique, early opportunities to **shape our club's direction**, **host recruiting events**, and **gain direct access to member resumes**.



You fund **QNET School**, a specialized onboarding program where your company's brand gains exclusive **early exposure to high-potential students** through integrated curriculum, site tours, and industry guest lectures. This positions your organization as a leader in the next generation's career development.

Explore our full sponsorship package to learn more about our goals, and contact us today to secure your position as an inaugural partner.



TEAM LEADS

MECH LEAD



Tochukwu Odiwa 
BASc Candidate for
Engineering Physics, Mechanical Option
Class of '28
Sobey Scholar '24

MECH LEAD



Aidan Woods 
BASc Candidate for
Engineering Physics, Mechanical Option
Class of '28

RESEARCH LEAD



Justin Hooley 
BASc Candidate for
Engineering Physics, Electrical Option
Class of '27

RESEARCH LEAD



Ella Adair 
BASc Candidate for
Engineering Physics, Materials Option
Class of '28

ELEC LEAD



Arsalan Vahidi 
BASc Candidate for
Engineering Physics, Electrical Option
Class of '28

ELEC LEAD



Boden Parent 
BASc Candidate for
Electrical Engineering
Class of '29

MATERIALS LEAD



Noah Miggiani 
BASc Candidate for
Engineering Physics, Materials Option
Class of '28

SOFTWARE LEAD



Gabriel Brannon 
BASc Candidate for
Engineering Physics, Mechanical Option
Class of '28

SOFTWARE LEAD



Tejas Marwaha 
BASc Candidate for
Engineering Physics, Computing Option
Class of '28

DIRECTORS

FINANCE



Alex Hayes 
MSc Candidate for
Particle Astrophysics

MARKETING



Regan Lane 
BASc Candidate for
Mathematical Physics
Class of '29
2025 Schulich Leader

EVENTS



Naomi Cain 
BASc Candidate for
Engineering Physics, Materials Option
Class of '28

HEADS

FOUNDER AND
PRESIDENT



Ryan Haghi 
BASc Candidate for
Engineering Physics, Mechanical Option
Class of '28

FACULTY ADVISOR



Francesco Ambrogi, Ph.D. 
Assistant Professor, Mechanical & Materials Engineering

Ph.D., Queen's University, Mechanical Engineering, 2024
MASc, University of Bologna (Italy), Energy and Nuclear Engineering, 2019
BASc, University of Modena and Reggio Emilia (Italy), Mechanical Engineering, 2015



Flagship Projects

To encourage general member participation, we have three projects ideas, where QNET's 2026-2027 Project will be determined from their votes this Fall.

Project A:

Nuclear Cleanup Rover

The nuclear cleanup rover, developed and conceived by Tejas Marwaha and Gabriel Brannon, serves as a remote-control handling platform explicitly designed to replace human intervention during hazardous nuclear operation.

Project B:

SMR Cooling System

The SMR Cooling System, developed and conceived by Aidan Woods and Justin Hooey, is designed to simulate a real-world SMR cooling system, equipped with a Cooling Tower.

Project C:

Gamma Ray Imaging

The Gamma Ray Imaging Project, developed and conceived by Tochukwu Odiwa and Arsalan Vahidi, aims to build a scaled down, low-cost medical imaging prototype based on the mechanisms of a PET scan.

Materials Team Projects

Our Materials Team will be working on separate, distinct projects focused on the irradiation of materials.

These projects include:

- Ion Surrogates for Neutron Radiation Damage
- Athermal Healing of Irradiation Damage
- Candidate Materials for Near-Future Fusion Reactors

More information on these projects can be found on [our site](#) and in our [Information Package](#).



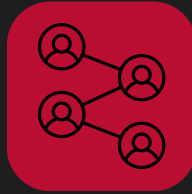
NET School

As QNET is open to all students, we need to ensure that all general members achieve a baseline level of nuclear engineering understanding. Developed by our dedicated Research Team, QNET School is a program operating before any builds commence that teaches students the fundamentals of nuclear engineering, as well as lessons catered to specific sub-teams. Just as importantly, it connects members directly to the nuclear industry — through facility tours, guest lectures from active professionals, and early exposure to the organizations shaping Canada's nuclear future.



Baseline Knowledge

QNET School provides all members, regardless of background, an opportunity to learn and explore common nuclear and engineering concepts.



Industry Connections

Members meet and learn from active nuclear professionals — through guest lectures, facility tours, and early exposure to organizations like the CNSC, OPG, and CNL.



Experiential Assets

QNET School teaches concepts through hands-on projects and bi-weekly interactive workshops. This will lead up to actual nuclear facility trips to the SLOWPOKE-2 Facility and potential guest speakers.

Potential Guest Speakers



Acting WDD Director at CNSC, Queen's Alum
John Thelen



Director of the SLOWPOKE-2 Facility at RMC
Pavel Samuleev



Vice President and CSO of CNSC, Queen's Alum
Dean Haslip

and more...

Capstone Design Contest

At the end of their studies, students will join groups of 3-5 to conceptualize and defend a real-world nuclear facility project of their choosing. The groups will present their pitch to a panel of judges for potential incentives.

\$500

Potential Maximum Capstone Cash Prize

Direct Educational Value

Sponsorship funding is directed fully towards high-impact experiential education:

- Funding the \$100 - \$500 cash prize to secure student commitment
- Covers safety, travel and access fees to various facilities (Port Hope, RMTL)
- Coursera certifications to allow students to finish QNET School with actual credentials
- Facilitating hosting logistics to bring in active nuclear professionals and Queen's Alumni from the CNSC, OPG, and CNL.
- Sponsoring the components for QNET School projects such as cloud chambers and Geiger counters for real-time radiation mapping demonstrations.



NET Funding

As a brand-new design team, QNET cannot receive direct funding from Queen's University until one year after ratification, so our 2026–2027 year depends entirely on outside sponsors. We're seeking sponsorship commitments now for two reasons: it lets us plan our projects around a real budget, and demonstrating secured external funding is part of what ratification requires. **No money changes hands today.** Funds are collected only after QNET is ratified in Fall 2026, and are handled through official Smith Engineering channels (Engineering Society of Queen's University or our Faculty Advisor).

We ask you kindly to consider the sponsorship options below.



2026-2027 QNET Sponsorship Offerings



As our **Fusion** sponsor, you become a simulated stakeholder in a **QNET School** onboarding project of your choosing. You brief our students on your **goals**, they bring their work **back to you**, and **together** you shape the build.



Thermal sponsors and above get their logo on **QNET team apparel**, with size scaling by tier, the more you contribute, the larger your placement. Our **Fusion** sponsor is **consulted directly** on the details: apparel type, logo placement, and size.



Fission sponsors and above have the option to have a company representative appear as a **guest lecturer** in **QNET School**, at their preferred level of involvement (pre-recorded, online, or in person).



Our **Fusion** sponsor will have their company name in both QNET School and flagship project titles with complete access to all project research and reports.

2026-2027 QNET Sponsorship Tiers



Inquiries about additional benefits? [Contact us today.](#)

Fusion tier was secured by a confidential inaugural partner and is not currently offered.

	Kinetic \$50-\$199	Thermal \$200-\$499	Fission \$500-\$1500	Fusion Reserved
Logo and Name on our Website and Social Media	✓	✓	✓	✓
Logo/name in project documentation & presentations	✓	✓	✓	✓
Logo on Team Apparel		S	M	L+
Logo on the flagship build			✓	✓
Guest lecture or workshop in QNET School (live or pre-recorded)			✓	✓
Access to member resume book			✓	✓
Title sponsor of a QNET School onboarding project — pick the project + act as simulated stakeholder				✓
Named co-sponsor of a flagship build (Rover / SMR / Gamma Ray)				✓
Direct pipeline with the exec team				✓
Priority access to QNET project research & reports				✓



Ways to Sponsor QNET

01.

Direct Funding

The most flexible way to help. Money goes straight into **projects and QNET School** – tracked with a **transparent budget** so you can see exactly where each dollar goes.

02.

Components & Equipment

Providing parts or discounts moves **our projects forward**, from electronic components to structural materials.

03.

Software & Tools

Providing licenses to software that a new club can't easily afford or access.

Have another way you can help? [Contact Us.](#)



Where your money goes

Every dollar is tracked and tied to a tangible outcome. Any funding received will be tracked and shared with all sponsors at the end of the year or whenever requested.

01 Project Builds \$800 – \$1,385 / build The majority of funding goes towards the material cost of projects, such as the Rover, SMR Cooling System and Gamma Ray Imaging Projects. A full detailed breakdown of project cost and specifications can be found in our Information Package. Any budget surplus will be invested in expanding the project scope and capabilities.	02 QNET School Budget in progress QNET School funding will be spent on onboarding project materials, recruitment, field trips, specialized software licenses such as MCNP and PCTTRAN, certification seats for members, and hosting industry guest speakers. Every dollar goes directly toward hands-on experience and real industry exposure — giving members a genuine foundation before they ever start a build.	03 Capstone Contest \$100 – \$500 With available funding, sponsors can back the capstone prize pool — the incentive that keeps members engaged through the entire program. The capstone contest caps off QNET School: groups of 3–5 spend the term developing a pitch for a real-world nuclear project (reactor, mine, or processing facility). Teams present to a panel of judges for cash prizes, and the winning pitch is featured on our site and shared with relevant companies.
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All sponsors will receive an end-of-year **Impact Report**, detailing how their funding was spent, the **milestones** it helped reach, and the **impact** it made on our members — from **projects built** and **skills gained** to students placed on a path into the nuclear industry.



Interested?

There's far more to QNET than these pages. Explore our website and full information package for the complete team, projects, and roadmap.

OUR WEBSITE

queensnuclear.ca

The team, sub-teams, projects, and live updates as our founding year unfolds.

→ [Visit the site](https://queensnuclear.ca)

INFORMATION PACKAGE

The Full Picture

Our complete 2026–27 roadmap, flagship projects, and the QNET School curriculum

→ [Explore Information Package](#)

**Ready to fuel the next
generation of nuclear
engineers?**

sponsors@queensnuclear.ca

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