



# Cleantech Hub

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The new Cleantech Hub at UBC Okanagan has officially launched. The Hub is created through \$1.9 million in funding from Pacific Economic Development Canada and over \$3 million in contributions from UBC, industry partners, and NSERC and Mitacs. The Cleantech Hub will be a central innovation space that catalyzes academic-industry collaborations to promote clean technologies, help Canadian companies to bring their technologies and products to domestic and international markets, and support Canada's transition to a low-carbon economy.

## Cleantech Hub Updates

Dr. Ayse Alemdar Thomson and Dr. Matthew Brown joined UBC Cleantech Hub last summer as an R&D project manager and technician, respectively.

A state-of-the-art Cleantech Hub characterization facility is operational now. This 1,400-square-foot facility features several high-tech scientific instruments to analyze crystallographic properties, electrical conductivity, and thermomechanical properties of a wide variety of materials.. To access this facility, please contact Dr. Lukas Bichler ([lukas.bichler@ubc.ca](mailto:lukas.bichler@ubc.ca)).

Cleantech Hub hosted its 1st Advisory Committee meeting this Spring. The committee members included Chris Ray (City of Kelowna), Jennifer McNeill (New Flyer), Kathy Bruce (Retriev Technologies), and Mark Kirby (Canadian Hydrogen & Fuel Cell Association).

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## New Projects

### [Finding new life for non-recyclable rubber and plastics](#)

UBCO researchers divert waste from landfills to create electromagnetic shields

### [Aircraft can get higher and greener from doped fuels](#)

Dr. Kheirkhah and Dr. Armand's research teams cook up cleaner jet fuel with graphene nanomaterials. The project supported by Zentek Ltd. and NSERC.

## New Partners, Investments

### [\\$2M Initiative Between Fenix Advanced Materials, Mitacs, and UBC Okanagan](#)

Next-generation battery research offers electric cars a boost. The research investment strengthens Canada's position in emerging solid-state battery innovation and accelerates electric vehicle (EV) deployment and renewable energy opportunities.

### [UBC Okanagan and Atlas Power Technologies Expand Partnership](#)

For the past three years, Atlas Power Technologies has been an active collaborator with UBC Okanagan's Advanced Materials for Energy Storage Lab researchers. The company is taking that collaboration further through an extension of Mitacs-funded projects and a donation of equipment.

## Researcher Spotlight

### [Mohammad Arjmand receives prestigious honour from American Chemical Society](#)

Mohammad Arjmand is among 21 early-career researchers who are being recognized by the American Chemical Society's Division of Polymeric Materials: Science and Engineering as emerging leaders in the field.

## Student Spotlight

### [Graduate Student Receives Tyler Lewis Clean Energy Research Foundation Grant](#)

Amandine Drew is among three recipients of this year's Tyler Lewis Clean Energy Research Foundation Grant. Drew works alongside her supervisor Dr. Alexander Uhl at the Laboratory for Solar Energy and Fuels.



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