

## **New nanofabrication facility to support nanotechnology research at UVic**

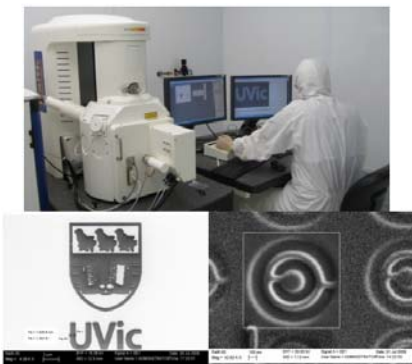
The UVic Nanofabrication Facility (NanoFab) began operation in September, 2009. The NanoFab, located in the new clean room in the Elliott building at the Department of Physics & Astronomy, has been completed with support from WED (Western Economic Diversification) and the University of Victoria. The NanoFab is an open access user facility equipped with an Electron Beam Lithography (EBL) system in class 100 and 1000 clean rooms.

The UVic NanoFab provides the capability of designing, fabricating and characterizing nano-scale structures with feature sizes as small as 50 nm. The NanoFab will provide researchers on campus with a broad range of nanofabrication capabilities to support electronics, optical, molecular, magnetics and MEMS (Micro-Electro-Mechanical Systems) projects. The NanoFab will ensure that UVic researchers from several departments including, Biology, Chemistry, Electrical and Computer Engineering, Mechanical Engineering, and Physics will excel in their research fields on a national and international scale.

The UVic NanoFab will also provide high quality personnel (HQP) training in nanotechnology for graduate and undergraduate students. This program will allow students to gain mind-expanding experiences using state-of-the-art technology. In addition, the open access of UVic NanoFab to industry will further support industrial prototyping and will advance the existing knowledge-based R&D technology cluster on Vancouver Island.

For further information and access to the UVic NanoFab contact:

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*Electron beam lithography system in new Elliott Building clean room. Also shown are micrometer scale UVic logo and resonator type nanoelements with the wire width of 100 nm fabricated by UVic NanoFab.*