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## **University of Windsor / FCA Canada Automotive Research and Development Centre**

### **Engine Cooling Systems Laboratory**

- The 70-square-metre Engine Cooling Systems Laboratory was established at the Automotive Research and Development Centre (ARDC) in 2015.
- The laboratory is a collaborative effort between the Engine Cooling Systems Product Engineering team and Aero-thermal System Simulation team.
- The purpose of the laboratory is to evaluate pressure and flow characteristics, across variable cooling system design paths, for multiple vehicle platforms.
- Data collected through all plumbing branches and heat exchangers is used to optimize the engine cooling system design prior to vehicle design completion.
- In addition, the data collected is also used to develop simulation tools to better predict engine cooling system performance on future programs.

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