

## **Heat Transfer in Engines**

Oil-, air-, and water- cooling systems are studied to gain an understanding of and improve the overall heat transfer within combustion engines. Theoretical, computational simulation and experimental analysis are performed on engines and components, with specific applications to air-cooled devices. Experimental work is performed on air-cooling in wind tunnel facilities and on oil cooling in oil flow and cooling test rig. Interest in engines, heat transfer, aerodynamics and systems analysis are needed. Possible multi-term project.

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