

CETHIL/INSA-Lyon : **ACADEMIC**



CETH

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CETHIL : Centre d' Energétique et de Thermique de Lyon

- *Micro & nano heat transfer → Industrial systems & buildings*
- *Refrigeration → Combustion*
- *Fluids → Polymer and composite materials*

- *Thermal measurement and instrumentation*
- *Thermal characterisation of fluids and solid materials*
- *Energy-efficiency analysis*
- *Numerical simulations: SLS of polymer powder*



Interests in 2020 calls

DT-FOF-09-2020	Energy-efficient manufacturing system management
DT-FOF-10-2020	Pilot lines for large-part high-precision manufacturing
DT-FOF-11-2020	Quality control in manufacturing

Proposed actions:

- Energy-efficiency analysis for energy consumption reduction
- Modelling and simulation tools to select processing parameters
- Instruments for process characterisation and in-line process control
- Modelling and simulation approaches to improve sensor location and better integrate sensors