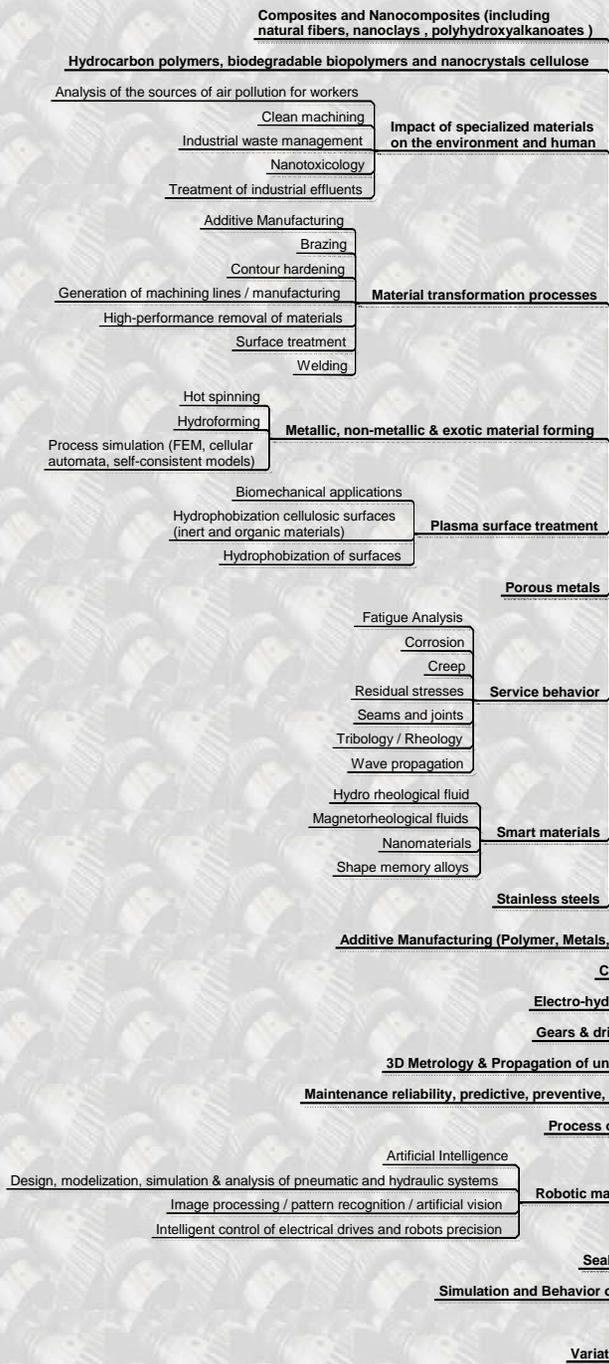


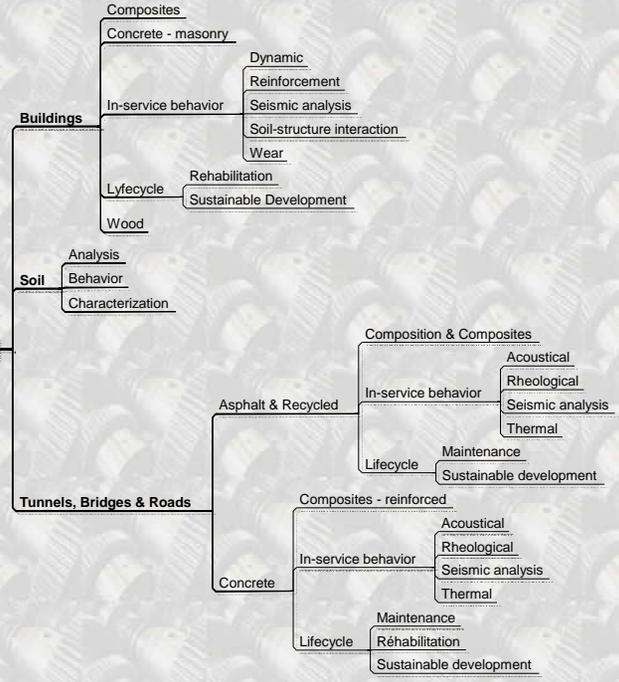
# Research at ETS for materials and manufacturing

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CAD-CAM / PLM / FEM / CFD

- Finite Element Analysis (FEM)**
- Boundary Element Method (BEM)**
- Computer-Aided Design (CAD)**
- Computer-Aided Manufacturing (CAM)**
- Product Lifecycle Management (PLM)**
- Computational fluid dynamics (CFD)**



Built Environment Materials

Chairs and research units

- Research chairs**
  - Canada Research Chair in Biomaterial and Endovascular Implants
  - Industrial Research Chair in Forming Technologies of High-Strength Alloys
- Accredited research units**
  - DYNAMO – Research Laboratory in Machine, Process and Structural Dynamics
  - LIPPS – Products, Processes and Systems Engineering Laboratory
- Research units recognized**
  - ACEFE – Stress Analysis by Finite Element and Testing Laboratory
  - LAMSI – Shape Memory Alloys and Intelligent Systems Laboratory
  - LFCMC – Composite Materials Manufacturing and Characterization Laboratory
  - LOPFA – Optimization of Aerospace Manufacturing Processes Laboratory