The activities of the SYMME laboratory are mainly focused on innovation for Health and industrial innovation. As the products are getting more and more complex, leading production processes to their limits, the SYMME laboratory is organized to provide an overview on the added value of the product and to consider the overall optimization of its value chain.

RESEARCH THEMES

The research at SYMME is articulated around 4 main axes:

1. Materials and tools for health (axis 1)
   - Assistance au geste et au diagnostic
   - Nanocristaux multifonctionnels pour l’imagerie et le diagnostic
   - Surveillance de l’environnement

2. Materials and systems for energy (axis 2)
   - New routes to electroactive materials
   - Microsources for energy

3. Innovation in industrial and mechatronical systems (axis 3)
   - Control and optimization of systems
   - Product life cycle management

4. Functional and aesthetic quality of products (axis 4)
   - Qualité d’aspect des produits
   - Qualité géométrique d’un produit
   - Mise en forme des matériaux

Two cross-disciplinary programmes
- Thermodynamics of materials (axes 1 and 2)
- Design and optimization of structures (axes 1, 2, 3 and 4)

KEY DATA*
44 professors and researchers
5 administrative and technical staff
28 PhD students
* Academic year 2017-2018

SYMME Domaine universitaire d’Annecy-le-Vieux - 7 chemin de Bellevue - Annecy-le-Vieux - BP 80439 - 74944 Annecy
Tel + 33 (0)4 50 09 65 67 • Mail dir-symme@univ-smb.fr • Website: www.univ-smb.fr