LISTIC
Laboratory of Computer Science, Systems, Processing of Information and Knowledge

EA 3703 - USMB
Faculty: Polytech Annecy-Chambéry
PhD school: Science and Engineering of Systems, of Environment and of Organisation (SISEO)

Created in 2003, the LISTIC lab brings together expertise in computer and data processing around the problem of information fusion. At the crossroads between theory and applications, information fusion consists in an information processing chain that begins from sensors and models and ends in its use for analyzing and controlling real systems.

FIELDS OF TRANSVERSAL SKILLS

KEY WORDS
Information fusion, Learning, Uncertainty theories, Decision support, Signal & Image Processing, Remote sensing, Artificial Intelligence, Big Data, Knowledge modelisation, Computer networks, Distributed systems, Internet & Network sciences, Classification and Prediction, Software engineering

SPECIFIC EQUIPMENT AND EXPERTISE
- « Many-core » packet processing platform and GPU
- Image processing library
- On-site instrumentation: radar corner reflectors and automatic cameras
- Internet of Things platform

PHD STUDENT SKILLS
- Information processing (data, signal, image, video)
- Software development in industrial and business environments
- Analysis and mining of networked big data
- Machine Learning
- Architecture of networked systems
- Industrial engineering
- Knowledge representation and reasoning

NETWORKS / PARTNERSHIPS
Academic cooperations
- French research groups: ISIS, MACS, GPL, MaDICS
- Télécom ParicTech
- CentraleSupelec
- ISM, University of Bordeaux
- University of Kagawa (Japan)
- University POLITEHNICA of Bucharest (Romania)
- ICT-CAS, Institute of Computing Technology – Chinese Academy of Science, University of Lioaoheng (China)
- University of Sfax (Tunisia)
- FRESBE Federation of Université Savoie Mont Blanc

Institutional cooperations
- Thésame
- Savoie Assembly
- Auvergne-Rhône-Alpes Region
- CNES
- ISO-AFNOR

Industrial cooperations
- Total
- ENGIE
- Pfeiffer
- Somfy

INTERNATIONAL RELATIONS
- European projects (EINS, ONTOVERSE, ATHENA+, EL MUNDO)
- Host well-known foreign colleagues
- Joint PhD students (China, Portugal, Romania, Tunisia)