



IMT Mines Albi-Carmaux
École Mines-Télécom



RAPSODEE 

RESEARCH AND EDUCATION CENTER - UMR CNRS 5302

RAPSODEE

Research and education center of IMT Mines Albi.

IMT Mines Albi is part of the **"Institut Mines-Télécom"**, the number one group of engineering and management graduate schools in France. IMT Mines Albi is also an associate member of the **Université Fédérale Toulouse Midi-Pyrénées** and of the **Carnot-Mines Institute**.

The RAPSODEE, UMR CNRS 5302 - **Research in Albi on Particulate SOLids, Energy and the Environment** - is a joint research center between IMT Mines Albi and **CNRS**.



+ than 35 industrial partners

Governmental and regional agency partners
Région Occitanie and French National Research Agency (Investments for the Future)
6 GDR: CNRS Network



2 joint research international laboratories with universities in the US and in China



3 joint research laboratories with industry

2 RESEARCH & INNOVATION PLATFORMS

▶ VALTHERA

Thermal Recovery of Processing Residues from Agro-Resources

▶ GALA ®

GALenic Advanced



95 staff members including **45** PhD students



+80 publications/year, including **55** articles in peer-reviewed international journals



€ 1.3 M€ per year of grants

RESEARCH

International scientific recognition



ENERGY & ENVIRONMENT

Biomass, Waste
and Solar Energy



POWDERS & PROCESSES

Powder Engineering,
Health, Food and Chemicals

2 RESEARCH GROUPS



EDUCATION & TEACHING

linked to the research groups

STUDENTS

7 tracks for general engineering diploma

in **4** fields

- ▶ Energy resources, conversion and efficiency
- ▶ Materials for buildings and sustainable construction
- ▶ Digital transition for energy
- ▶ Bio-health: agri and pharma



2 Masters of Science provided in english

▶ ADPHARMING

ADvanced PHARMaceutical engineeriNG

▶ BiWEM

Blomass and Waste for Energy and Materials



1 Advanced Master

▶ BE+

Positive Energy Buildings

EQUIPMENT

offering outstanding research, innovation and up-to-date facilities.



laboratory scale facilities



pilot scale facilities including
spray drying, mixing, extrusion, crystallisation,
torrefaction, pyrolysis, gasification...



+ than 200
characterisation equipment

PROCESS ENGINEERING FOR SUSTAINABLE GOALS

INTERNATIONAL

RAPSODEE has developed outstanding collaborations worldwide.

EVENTS & PEER REVIEW JOURNAL

WasteEng Conference Series

since 2005, every 2 years

400 abstracts from 50 countries per event

International Symposium on Supercritical Fluids

every 3 years

WTERT conference

Waste-to-Energy Research and Technology Council - every 2 years

SAKE Symposium

joint meetings since 2008
with Tohoku University - Japan

"Waste and Biomass Valorization"
peer reviewed journal
Springer Nature

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www.imt-mines-albi.fr/rapsodee



CURRENT COLLABORATIONS

7 joint PhD students



4 joint post-doctorates

12 international research collaborations

- Universidade Federale do Rio de Janeiro, Brazil
- Campinas University, Brazil
- Sherbrooke University, Canada
- Xi'an University of Science and Technology, China
- Zhejiang University, China
- Universidad Nacional de Colombia
- University College Dublin, Ireland
- Mahatma Gandhi University, Kerala, India
- Universiti Teknologi Petronas, Malaysia
- Columbia University, USA
- Princeton University, USA
- Worcester Polytechnic Institute, USA

