



Université  
Fédérale

Toulouse  
Midi-Pyrénées

DOCTORAL PROGRAMME

GEET

**ELECTRICAL ENGINEERING,  
ELECTRONIC,  
TELECOMMUNICATIONS**

SCIENCES  
AND TECHNOLOGY

[www.univ-toulouse.fr/PhD](http://www.univ-toulouse.fr/PhD)

## SCIENTIFIC DOMAINS

- > New Power electron devices, integration, modeling and processing and integrated systems, converters, command and diagnostic
- > Optronics and imaging circuits, System On Chip
- > Light sources and applications, photovoltaic, OLED systems
- > Nanophotonics engineering quantum well Lasers, VECSELS
- > Nano Silicon Devices spintronic-mesoscopic issues
- > Nanobiotechnologies
- > Micro-Nanofluidics and related embedded Systems
- > MEMS for structure control and indoor communications
- > Microwave and optical devices, electrical noise, MMIC circuits, antennas and related electromagnetic issues
- > Sensors and Microsystems for gas and live species detection
- > Dielectric materials, processing and reliability
- > Materials and plasma applications, modeling and processing
- > Medical radiophysics and Imaging
- > NEMS RF and smart dusts for communications
- > Materials for energy conversion

## KEY FIGURES



## RESEARCH LABORATORIES

**LAPLACE**  
Lab. on Plasma and Conversion of Energy  
[www.laplace.univ-tlse.fr](http://www.laplace.univ-tlse.fr)

**LAAS**  
Lab. for Analysis and Architecture of Systems  
[www.laas.fr](http://www.laas.fr)

**OLIMPES**  
Lab. Optronics - Laser Physical Imaging  
Space Environment  
<http://recherche.isae.fr/olimpes>

**ToNIC**  
Toulouse NeuroImaging Center  
[www.u825.inserm.fr/](http://www.u825.inserm.fr/)

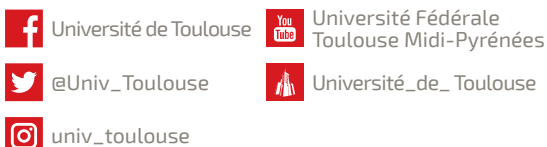
**CRCT**  
Cancer Research Center of Toulouse  
[www.oncopole-toulouse.com/](http://www.oncopole-toulouse.com/)

**LPCNO**  
Lab. of Physics and Chemistry of Nano-Objects  
<http://lpcno.insa-toulouse.fr>

**LGP**  
Lab. on Production Engineering  
[www.enit.fr/fr/recherche/le-laboratoire-genie-de-production-1.html](http://www.enit.fr/fr/recherche/le-laboratoire-genie-de-production-1.html)



[www.univ-toulouse.fr](http://www.univ-toulouse.fr)



## MORE INFORMATIONS?

 <http://educ.laas.fr/GEET>

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