

# Yves Rouillard



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## EDUCATIONAL HISTORY

2007 **Certification of ability to supervise research** (*Habilitation à Diriger des Recherches, HDR*),  
University of Montpellier, France

*Diodes laser GaInAsSb/AlGaAsSb pour émission dans la gamme 2-3  $\mu\text{m}$  et au-delà*

1994 **PhD**, University of Rennes 1, France

*Elaboration par EJM de structures d'antimoniures. Application à l'optoélectronique*

1991 **M.S. degree** in Materials Physics, University of Rennes 1, France

## WORK EXPERIENCE

Since 1998: **Associate Professor, IUT de Nîmes (Université de Montpellier)**

Development of GaSb-based lasers and solar cells

Lecturing in Electronics, sensors and waves

1997 – 1998: **Research and Teaching Assistant, IUT de Nîmes (Université de Montpellier)**

MBE growth of GaSb-based lasers

Lecturing in Electronics

1996-1997: **Scientist, Paul-Drude-Institut für Festkörperelektronik, Berlin, Germany**

MBE growth of AlGaSb layers

## MANAGEMENT

### Research:

- Participant in the European ITN project PROMIS (January 2015- December 2018), *Project 3.3: MBE growth of metamorphic III-Sb on Si for CPV solar cells*, coordinated by the Lancaster University, Budget: 90 k€ for UM.
- Participant in the ANR project MIDAS (January 2012- June 2015), *Multiplexed Infrared Diodes for Absorption Spectroscopy*, Budget: 193 k€ for UM.
- Participant in the ANR project NexCILAS (January 2012- December 2014), *NEXt generation of Compact Infrared LASer based Sensor for environmental monitoring*, Budget: 252 k€ for UM.
- Workpackage leader in the European FP7 project SensHy (March 2008-August 2011), *Photonic sensing of hydrocarbons based on innovative mid-infrared lasers*, coordinated by Nanoplus GmbH, Budget: 441 k€ for UM.
- Participant in the CNRS project BIOSTIC (January 2005-January 2007), *Sonde laser infrarouge pour l'analyse de gaz dans la rhizosphère*, Budget: 20 k€ for UM.
- Participant in the European Office of Aerospace Research and Development project HOWL (May 2005-April 2006), *Growth and Study of Novel 3-4  $\mu\text{m}$  Antimonide III-V Diode Lasers Operating at Room Temperature*, Budget: 50 k\$ for UM.
- Participant in the CNES project “*sondage atmosphérique in-situ par diodes laser accordables*” (July 2003-July 2006), *Développement de diodes laser accordables à 2,65  $\mu\text{m}$* , Budget: 29 k€/year for UM.
- Workpackage leader in the European IST project Gladis (April 2002-April 2005), *Gas Laser Analysis by Infrared Spectroscopy*, coordinated by Actaris, Budget: 604 k€ for UM.

- Workpackage leader in the Ministry of Defence project “Room temperature high power Mid-IR lasers : diode and cascade lasers on GaSb” (October 2000-October 2003), Budget: 480 k€ for UM.

#### **Administration:**

- 2015 – : **specialist in radiation protection** at IES.
- 2007 – 2008: **vice-president** of the “specialist committee” (CNU 63) in charge of recruitments.
- 1999 – 2016: **elected member** of the “specialist committee” (CNU 63) in charge of recruitments.

#### **PUBLICATIONS**

- 25 invited talks at international and national conferences (C-INV)
- 88 contributed communications to conferences:  
25 with proceedings (C-ACTI), 46 without proceedings (C-COM), 17 posters (C-AFF)
- 80 publications referenced in ISI WoS
- ISI WoS data (May 2019): 1099 citations, h = 20

#### **PHD SUPERVISION**

- 10 PhD thesis defended between 2001 and 2019