

ENSSAT  
LANNION

40 ANS  
ENSSAT  
LANNION

journée  
innovation recherche

VENDREDI 6 MARS 2026 / dès 9h30

ÉCOLE D'INGÉNIEUR-ES CONNECTÉE À L'INDUSTRIE, TOURNÉE VERS L'AVENIR

Café, mot d'accueil

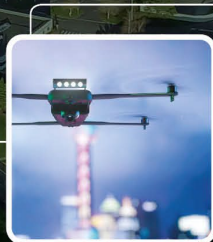
Retour d'expérience  
de 3 alumni Enssat

Table ronde

Cocktail / networking

Mini-conférences  
(AI, quantum photonics,  
wireless security)

Présentations recherche,  
visites des laboratoires



École Nationale Supérieure  
des Sciences Appliquées  
et de Technologie  
6, rue de Kérampont - Lannion  
Contact : responsable.relations-  
entreprises@enssat.fr

École affiliée  
IMT

ENSSAT  
LANNION



Université  
de Rennes



40 ANS

ENSSAT

LANNION

Cette journée est coorganisée par



Association des anciens  
élèves de l'Enssat



Nos partenaires et sponsors



INSCRIPTION



Journée d'innovation et recherche

# Présentation de l'école

Simon Peeters - directeur

Cette journée est coorganisée par



Nos partenaires et sponsors



Avec le soutien de



Association des anciens élèves de l'Enssat



## Bienvenue à l'ENSSAT

LANNION



# Histoire dans nos couloirs

#exposition #découverte #histoire

Du 15 janvier au 25 mars 2026



L'exposition « **L'origine des télécommunications dans le Trégor** » explore de manière synthétique et visuelle l'épopée des télécommunications dans le Trégor.



Le 7 octobre 1985, François Mitterrand annonce officiellement à Yves Nédélec, maire de Lannion de 1983 à 1989 :

« **Monsieur le Maire, vous aurez votre école d'ingénieurs** »

**17 mars 1986** : création école et 2 laboratoires inf. & élec.

- 1987 : Création 3<sup>ème</sup> laboratoire (optique)

1997 : l'Enssat s'aggrandit : 2 nouveaux bâtiments

- 1998 : systèmes embarqués

2000 : création Orange, diversification sur le plateau

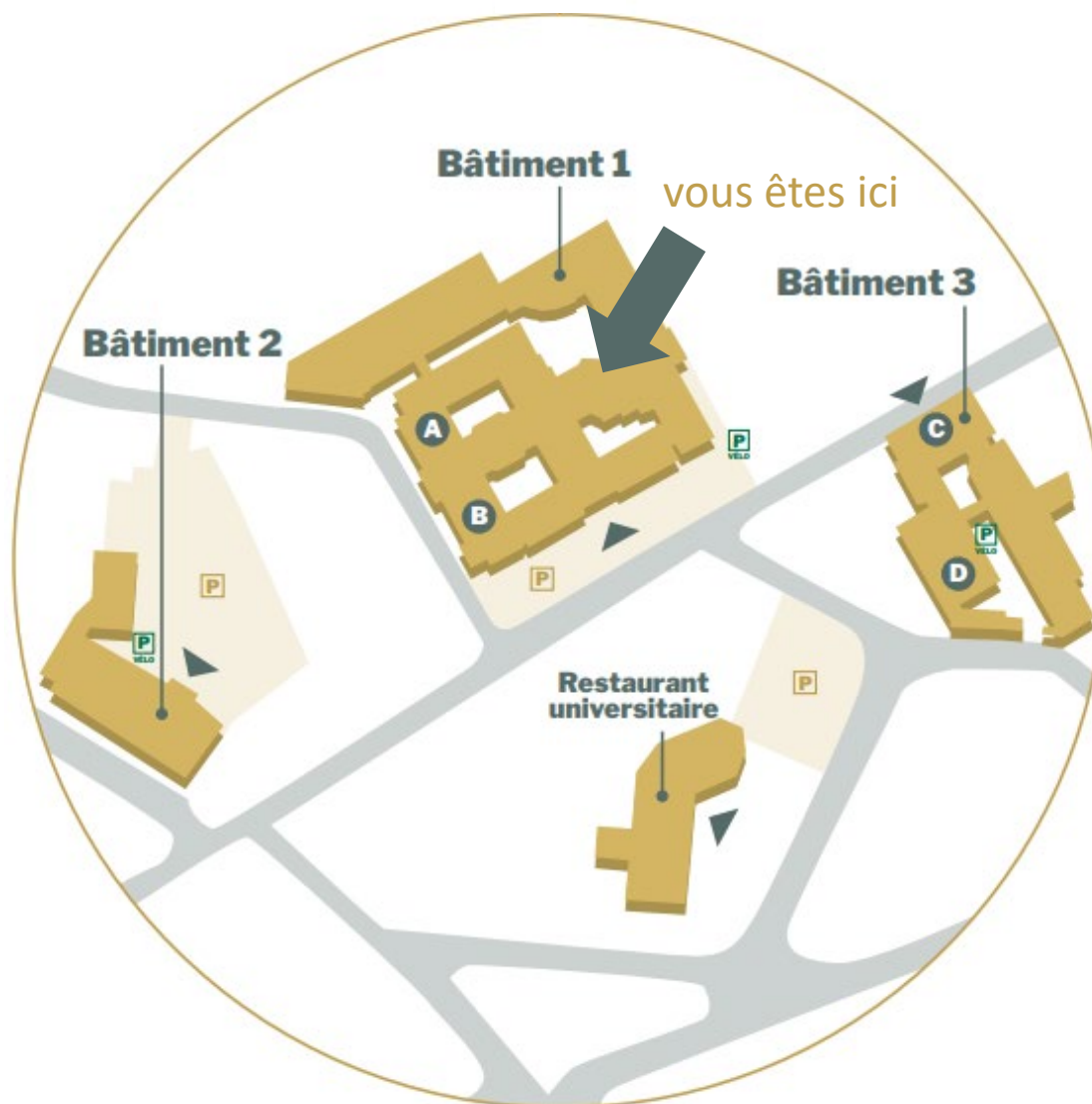
- 2001 : Création de CCLO
- 2004 : Changement Institute FOTON

2016 : entrée dans le Concours Mines-Télécoms

- 2020 Première summer school
- 2026 Arrivée de FISA Cybersécurité



# Structure de l'école



## A. PLATEFORMES D'ÉTUDE DES RADIOCOMMUNICATIONS

Cet équipement est dédié à l'étude des radiocommunications aux normes actuelles (ZigBee, Lora, 5G...).

## B. SALLE CEM

Équipement d'étude de la compatibilité électromagnétique équipé d'une cage de Faraday anéchoïque et du matériel nécessaire à des tests de pré-certification.

## C. PERSYST

Infrastructure et expertise pour la réalisation de projets de recherche collaboratifs ou de prestations de services, pour des tests et caractérisations de composants ou dispositifs dans le domaine des télécommunications optiques et de l'optique intégrée.

## D. CCLO

Centre Commun Lannionnais d'Optique Plateforme technologique de recherche, de l'institut Foton, dédiée à la réalisation et aux caractérisations des matériaux et de circuits optiques intégrés. Elle est équipée de salles de chimie et de salles blanches (160 m<sup>2</sup>).

*Pascal Besnard,  
directeur adjoint*



## Quatre piliers de l'école

Direction Supports

Direction Admission, Communication, International

Direction des Formations

**Direction recherche, industrie, et innovation ⇒**

Philippe Quémerais

responsable.relations-entreprises@enssat.fr



## STATUT ÉTUDIANT

### INFORMATIQUE

*coloration du cursus avec des majeures-mineures*

Cybersécurité, intelligence artificielle, systèmes embarqués

### PHOTONIQUE

Technologies laser, biophotonique, télécoms, photonique quantique

## STATUT APPRENTI

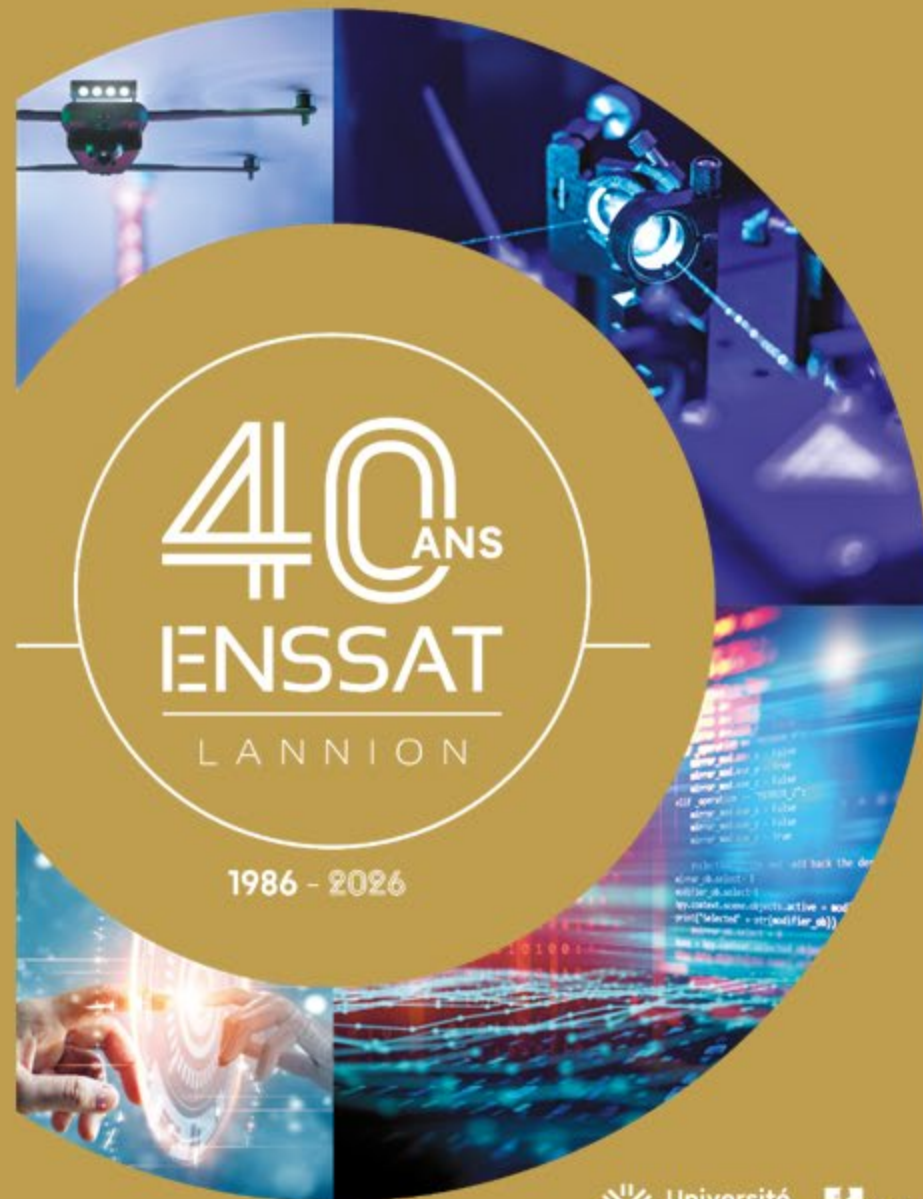
### INFORMATIQUE

*2 parcours :*

Cybersécurité (logiciels et réseaux)  
*ou* IA & multimédia

### PHOTONIQUE & ÉLECTRONIQUE

Technologies laser, systèmes électroniques, instrumentation et mesure



 **Université de Rennes**

 **MINISTÈRE DE L'ENSEIGNEMENT SUPÉRIEUR ET DE LA RECHERCHE**

 **École affiliée BMT**



## CUPGE

cycles universitaires préparatoires aux grandes écoles



2 ans

14

Physique  
et photonique

photonique  
et électronique

28

Cybersécurité

informatique  
et réseaux

Premier rentrée en 2026-2027

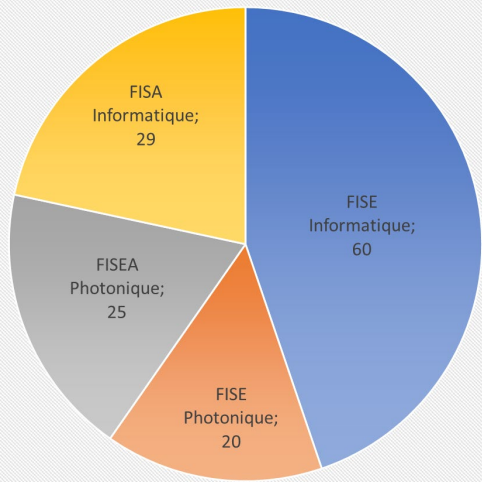
## cycle ingénieur

3 ans

Photonique

Informatique  
IA, cybersécurité,  
systèmes embarqués

1re année 2025-2026: >130 étudiants



# PROMOTION 2028



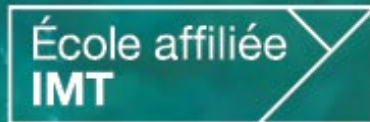
« Un ingénieur  
ou une  
n'est pas qu'un  
ou une  
scientifique »

# Soutenez l'Enssat !

École d'ingénieur-es connectée à l'industrie, tournée vers l'avenir.

Continuez de « surfer » sur la vague de l'innovation  
avec nous, fléchez votre taxe d'apprentissage :

**code UAI 0221809X**



**ENSSAT**  
LANNION



**Université  
de Rennes**

**Une offre à proposer ? Un besoin ?**

**Anne-Perrine CONSTANTIN**

Assistante des relations entreprises



**Ce que nous pouvons vous proposer :**

## Contrats d'Apprentissages

- 2 ans (Photonique)
- 3 ans (Informatique)

Nous pouvons vous présenter  
des profils aujourd'hui :  
repartez avec des CV 😊 !

**Stages Courts** (1<sup>er</sup> ou 2<sup>e</sup> année) : 6 semaines

**Stages Longs** (3<sup>e</sup> année) : 6 mois

**Contrats de Professionnalisation** (3<sup>e</sup> année) : 1 an





Connect  
Université de Rennes

REJOIGNEZ CONNECT,  
LE RÉSEAU PROFESSIONNEL  
DE L'UNIVERSITÉ DE RENNES



Toutes vos ressources  
sur une seule plateforme :  
Communautés d'alumni, offres d'emploi,  
stage, alternance

[connect.univ-rennes.fr](https://connect.univ-rennes.fr)



Une plateforme pour retrouver :

- **Le réseaux Alumni**
- **La CVthèque**
- **Les Offres d'emploi & de stages**



Pour s'inscrire :



**[connect.univ-rennes.fr](https://connect.univ-rennes.fr)**

École Nationale Supérieure des Sciences Appliquées et de Technologie

Bientôt : Corée du Sud, Inde, Ouzbékistan, Pays-Bas, ...



Co-funded by the  
Erasmus+ Programme  
of the European Union



# 4 formations d'ingénieur·e

[www.enssat.fr](http://www.enssat.fr)



# Recherche & innovation

## STATUT ÉTUDIANT

### INFORMATIQUE

Cybersécurité, IA, systèmes embarqués, objets communicants, développement logiciel

### PHOTONIQUE

Technologies laser, biophotonique, télécoms, photonique quantique

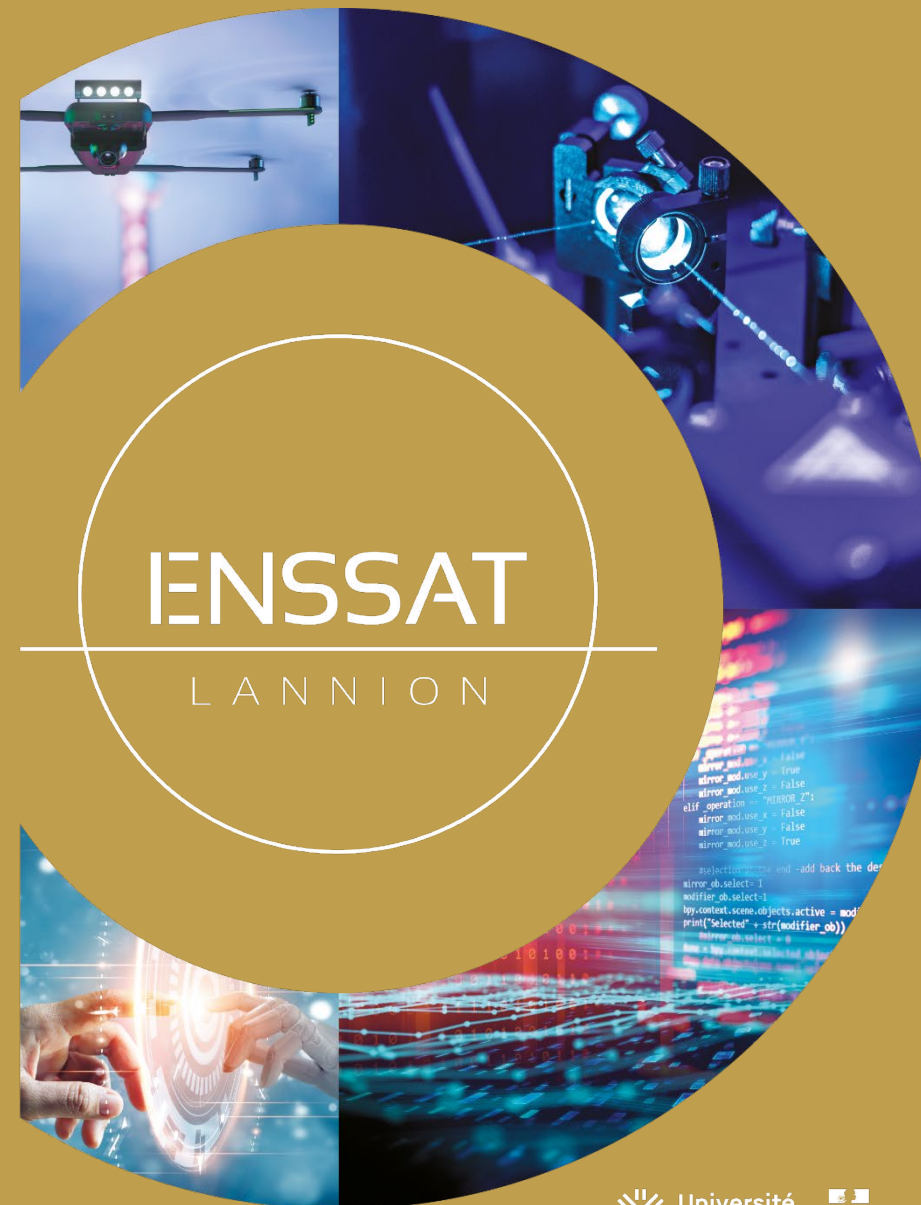
## STATUT APPRENTI

### INFORMATIQUE

Cybersécurité, science des données et du multimédia, IA

### PHOTONIQUE & ÉLECTRONIQUE

Technologies laser, systèmes électroniques, instrumentation et mesure



MINISTÈRE  
DE L'ENSEIGNEMENT  
SUPÉRIEUR  
ET DE LA RECHERCHE



Liberté  
Égalité  
Fraternité

## ENSSAT hosts (parts of) three research laboratories



**IETR: electronics and digital technology** (5+ people)  
*The main theme is: acquisition and AI-based multi-level analysis of hyperspectral images.*

Contact: Benoît Vozel [benoit.vozel@univ-rennes.fr](mailto:benoit.vozel@univ-rennes.fr)



**FOTON Institute: photonics** (50+ people)  
*The main themes are: optical communications, guided optics and sensors, laser physics and applications.*

Contact: Yannick Dumeige [yannick.dumeige@univ-rennes.fr](mailto:yannick.dumeige@univ-rennes.fr)



**IRISA: informatics** (70+ people)  
*The main themes are: artificial intelligence, cybersecurity, data management, energy-efficient systems.*

Contact: François Goasdoué [francois.goasdoue@univ-rennes.fr](mailto:francois.goasdoue@univ-rennes.fr)



**MULTIP Research Group**  
*Multimodal Un/self- supervised*  
*Learning*  
**for**  
*Tensor Image Processing*

contact: [benoit.vozel@univ-rennes.fr](mailto:benoit.vozel@univ-rennes.fr)

More information about MULTIP:  
<https://www.ietr.fr/en/multip-multimodal-unsupervised-learning-tensor-image-processing-team>

[www.ietr.fr](http://www.ietr.fr)

## Challenges :

- Integration of **multimodal data**
- **Unsupervised context**, with or without **self-learning**
- Innovative approaches and methodological recommendations for **estimating the distribution of unlabelled data in a reduced latent decision space**



Classification of hyperspectral imaging (HSI)

## Objectives :

- Deploying **automatic analysis and processing methods**
- **Agility and operational flexibility** across **multiple carriers (drones, aircraft, ...)**



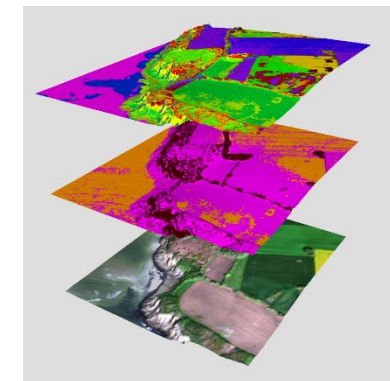
Lidar + HSI



HSI over DEM

## Topics addressed:

- Development of **unsupervised criteria tailored to:**
  - **Pre-processing (compression, restoration and multimodal registration).**
  - **Multimodal clustering**
  - **Spatial and spectral anomaly detection**
  - **Image time series analysis**



HSI draping, classif. lidar, classif. lidar+hyper over DEM

*More information about MULTIP:*

<https://www.ietr.fr/en/multip-multimodal-unsupervised-learning-tensor-image-processing-team>

## **TNT-IA:** (ANR ASTRID-DGA)

- Computational-enabled TNT Multiplexed Sensors Fabricated by Two-Photon Stereolithography

## **VEOLIA:** (covered by NDA)

- Leak Localization Method for Water-Distribution Networks Using a Data-Driven Model

## **JumEAU:** (covered by NDA)

- Multiphysics digital twin for the intelligent monitoring of drinking water networks (e.g. leaks).

## **ANZAR:** (covered by NDA)

- Sustainable and precision farming:
  - Early detection of diseases in cauliflower, shallot and artichoke crops
- Pollutant detection
- Optimization of Hyperspectral and AI Technologies for Biofertilizer Performance Detection

See drone and researchers in 020G



**SP**  
54 members

**OHM**  
45 members

**DOP**  
21 members

## 3 departments & 3 platforms

*Photonics from atoms to systems.*

*At the frontier of physics (photonics) and ITS (Information Science and Technology)*



# Joint laboratories



□ Smart-Facets



**3SPTechnologies**  
Source of Smart Solutions

□ Lab'Optic



## Lab'Optics

**Project partners:** Orange, ENIB & IMT Atlantique (Lab-STICC), ENSSAT (FOTON)

**Creation:** February 2024

### Research areas:

- Increased transmission capacity of optical transport networks
- Improving the efficiency of optical networks: latency, security, and energy efficiency
- New digital signal processing techniques and algorithms for very high-speed optical transmissions (at 1.6 Tbits/s and per wavelength and above)

**Workforce:** About 20 researchers

**FOTON-SP :** Already 5 CIFRE doctoral students and 1 collaborative research contract (CRC)



The logo for the FOTON institute, featuring the word "FOTON" in a stylized blue font with a starburst graphic above the letter 'O'.

**INSTITUT  
foton**

Fonctions Optiques pour les  
Technologies de l'informatiON



Université  
de Rennes



ENSSAT  
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**INSA**

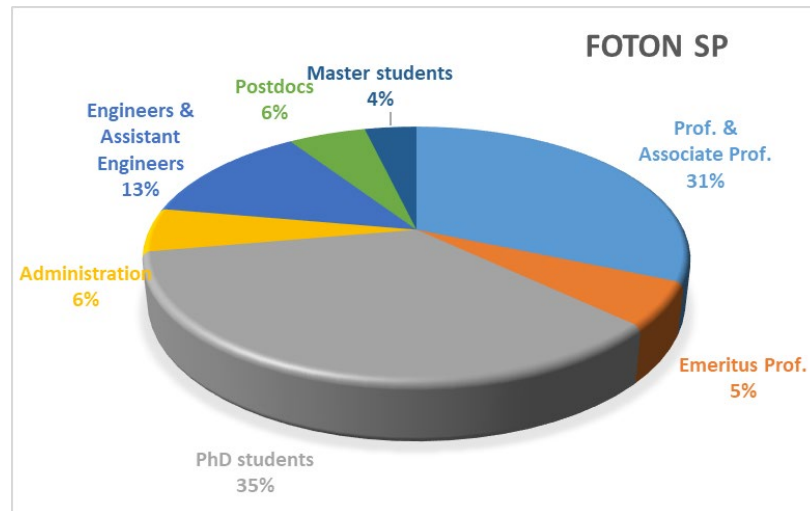
# FOTON Institute

## *Photonic Systems Department*

# FOTON Institute workforce in Lannion

**Total: 54 members**

One Department: Foton SP  
and 2 platforms: PERSYST & CCLO



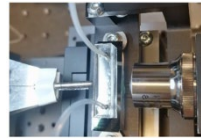
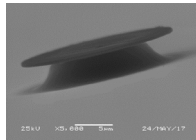
# Photonic Systems Department research areas

## Optical Communications

## Guided Optics and Sensors

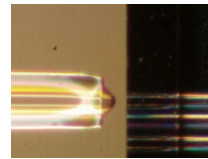
## Laser Physics and applications

### Micro-optics and Sensors

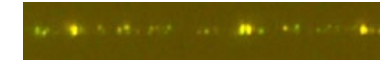


***Innovative photonics systems for optical communications, sensor systems and laser architectures***

### Interconnections



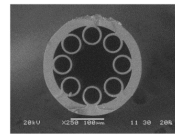
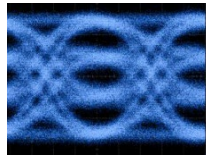
### Quantum photonics



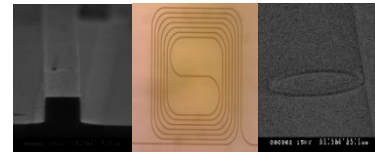
### Lasers



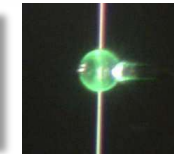
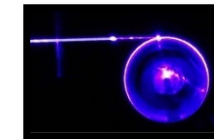
### Optical transmissions and functions



### Integrated Optics



### Optical Microcavities



From **fundamental to applications**: communications, environment, medical, agriculture - agri-food, industry...a priority of Brittany (smart specialization strategy), a priority of Europe (KET)

Photonics



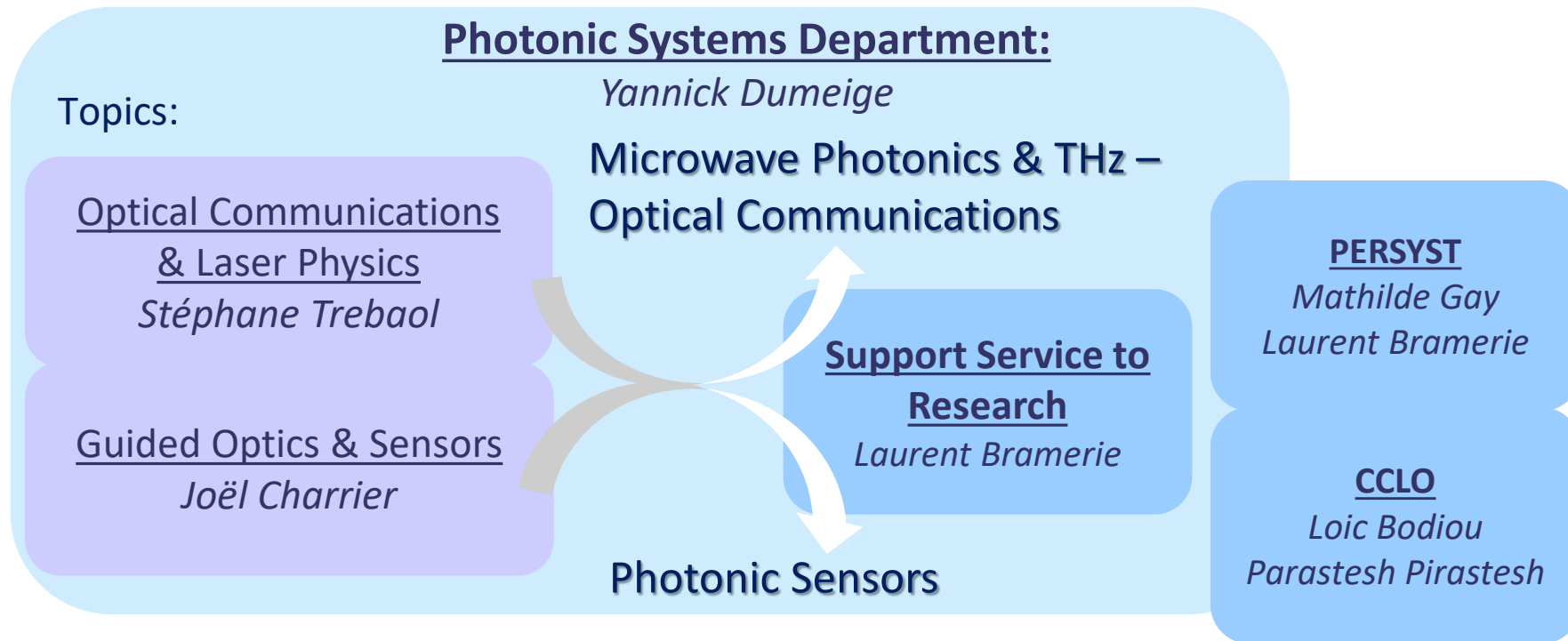
# Research axes & organization of SP Department

## 3 Strategic axes of FOTON Institute:

- Microwave Photonics & Terahertz – Optical Communications
- Photonic Sensors
- Photo generation & storage of energy

## Photonic Systems (SP) Department organization & PF in Lannion:

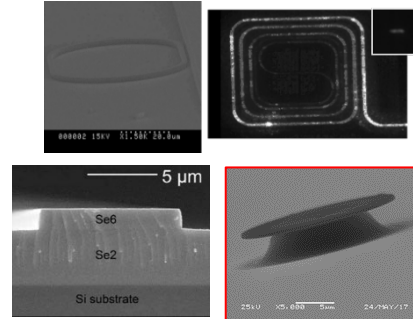
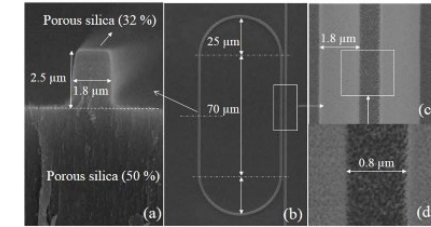
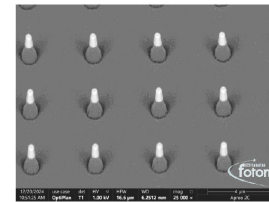
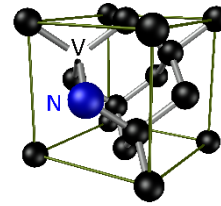
- Research areas contribute to **2** of the 3 FOTON Institute axes



# Technological Platform: CCLLO

- Technological expertise of the CCLLO platform :
  - **Materials and photonic integrated circuits: new PICs in the UV, Near and Mid-infrared**
  - **Equipex "E-Diamant", NV centers for sensors applications**

Rahul Chembra Vasudevan, PhD (OHM)  
Silpadas Nedoolil, PhD (SP)  
Abdelali Hammouti, Postdoc (OHM/SP)



- Equipment:  
**Clean rooms** with technological instruments for the **photolithography** process, **deposition**, **etching**, ...  
**Scanning electronic microscope**, **μRaman spectrometer**, ...



Centre Commun Lannionnais d'Optique



## Contacts:

Technical head: [parastesh.pirasteh@enssat.fr](mailto:parastesh.pirasteh@enssat.fr)

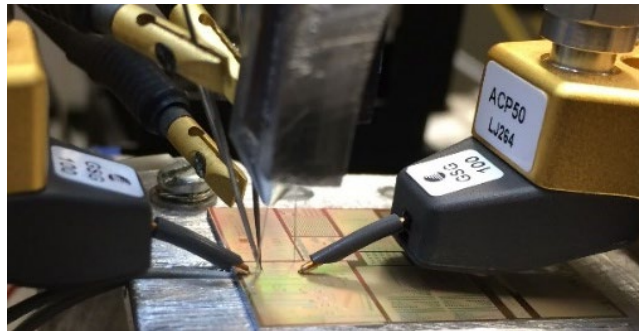
Scientific head: [loic.bodiou@univ-rennes.fr](mailto:loic.bodiou@univ-rennes.fr)



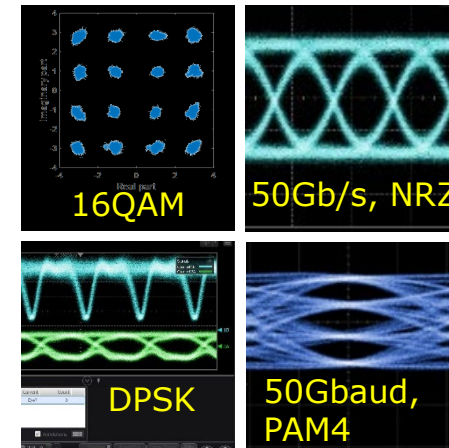
Provides **expertise and technical facilities** for the evaluation of **high speed optical communication devices and systems**

- Collaborative research and commercial service to SMEs, larger companies or research infrastructures
- **From on chip characterizations to system assessment**

## Optical, DC and RF probing on a PIC



## Various modulation formats

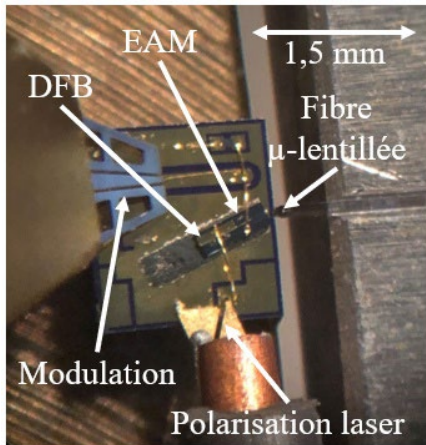


**Head:** Mathilde Gay and Laurent Bramerie

Contact: [persyst@listes.institut-foton.eu](mailto:persyst@listes.institut-foton.eu)

# Optical communications

## Chip, devices and subsystem characterization

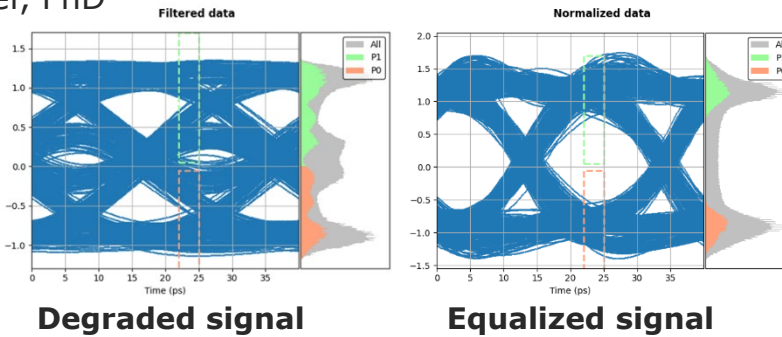


Persyst

**Optical communications**

Brendan Torillec, PhD

Dylan Chevalier, PhD



## Hollow core fiber for telecommunications

Joseph Zandueta, PhD



## Free space communications

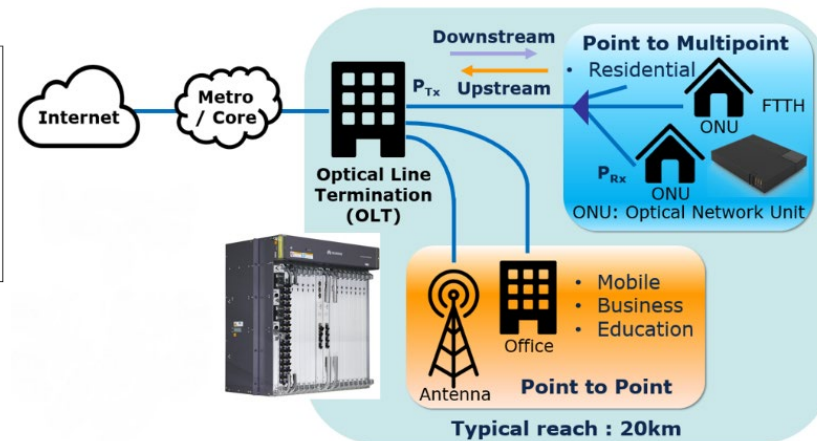
### Toward satellite communications

Simon Lévêque, PhD



### Coherent beam combination study for telecommunication applications

Thomas Le Beux, PhD



Marin Dupuis, PhD

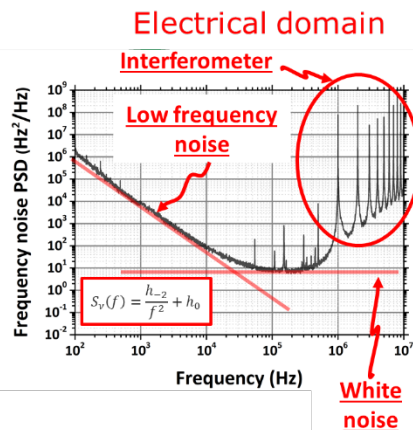


Salma El Miz, PhD



# NIR Fibers and Lasers

Highly coherent lasers and their applications using Brillouin fiber Laser and SC lasers @ 1,55  $\mu\text{m}$

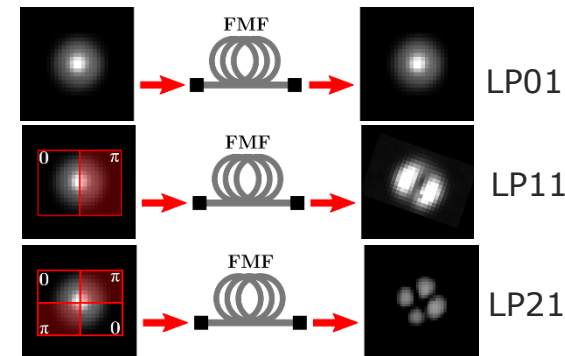


Sabarinath Sunil, PhD



**NIR Fibers and Lasers**

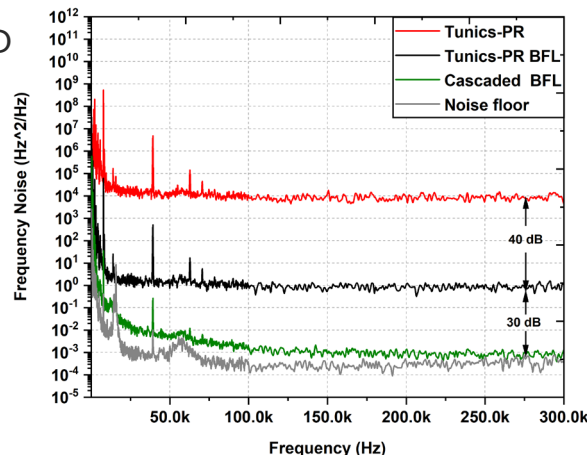
Spatial Division Multiplexing: Four Wave Mixing in Few Mode Fiber



Toward Ultrasensitive sensors based on ultracoherent Lasers

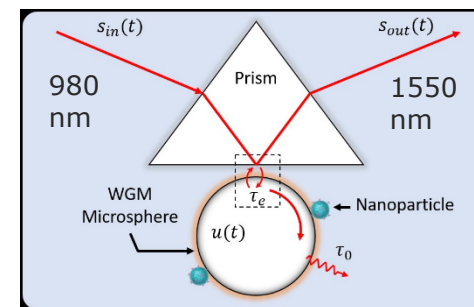
Thidsanu Apiphatnaphakul, PhD

Linewidth reduction by Brillouin effect. Detection of few photons



Toward NIR Active Micro-Sphere sensors (AM-2S)

Tijani Elmetouy, PhD



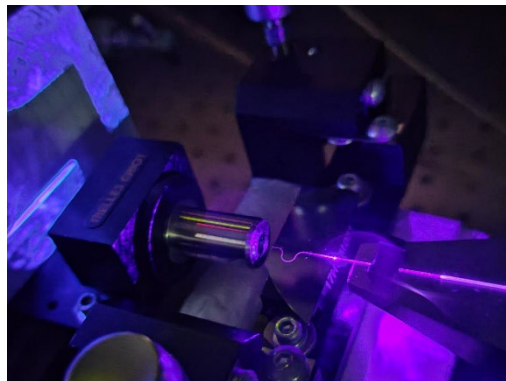
# Coherent light sources in the near-UV & visible

**NUV Laser diode for Raman spectroscopy**



**Toward integrated NUV photonics**  
>> Emerging activity  
(SiON with Foton OHM)

Ronan Kervazo, PhD



**Visible singlemode Laser diodes for compact atomic clocks**

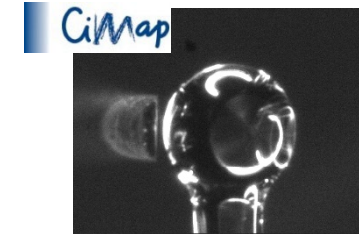
Georges Perin, Post Doc



**NUV and Visible photonics**

**High Q factor microresonator for visible light emission**

Abhishek Sureshkumar, PhD

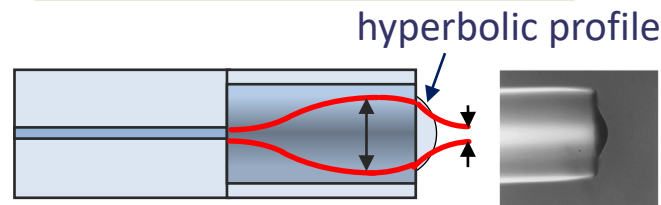


**Low frequency noise lasers at visible wavelengths for quantum technologies**



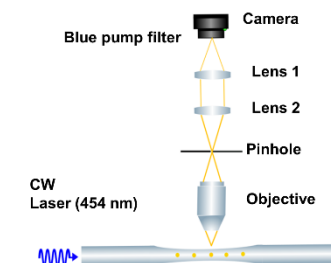
Sharon Sha, PhD

**Microlenses for visible light**



**Rare earth based visible single photon sources**

Silpadas Nedoolil, PhD  
Abhishek Sureshkumar, PhD

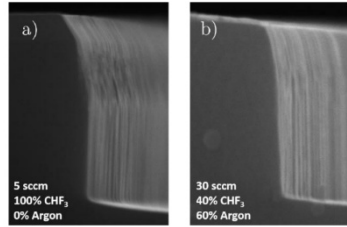


**Applications:** High sensitivity Raman Spectroscopy, frequency and time metrology and quantum optics at NUV and visible wavelength



# NIR and Mid-IR Photonic Integrated Circuit (PIC)

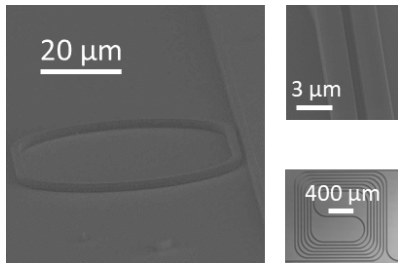
**PIC based on Chalcogenide glasses for their large transmission range and high non-linear refractive index**



Anass Chalhal, PhD



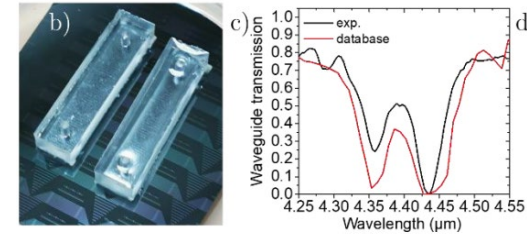
**Stimulated Brillouin Scattering based on very high light matter interaction in chalcogenide PICs (with FOTON DOP)**



Youssef Ghandouli, PhD



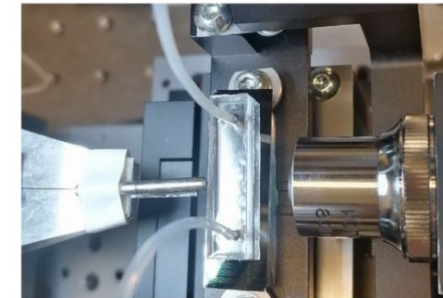
**PIC based on porous materials**



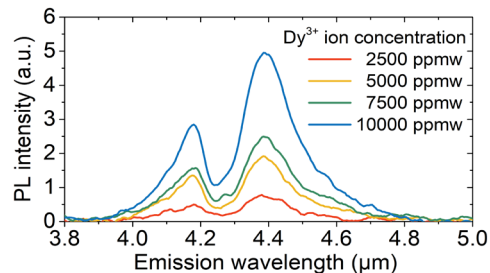
Kokab Sabir, PhD

**NIR and Mid-IR PIC**

Asma Bouzid, Postdoc



**Integrated light source based on rare earth ion doped chalcogenide waveguides**



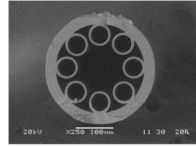
**Applications : NIR and Mid-IR sensing**

- Detection of emerging pollutants in water (BTEX, PAHs,...)
- Detection of gas (CO<sub>x</sub>, NO<sub>x</sub>,...)
- Detection of VOC for health



# Free space Mid-IR and NIR sensors

**Optical gas sensor in harsh environment in Mid-IR with silica hollow core antiresonant fiber**



SMOGLESS Project



SOURIAU - SUNBANK

**Toward Mid-IR Laser Velocimetry system (VelociMIR)**



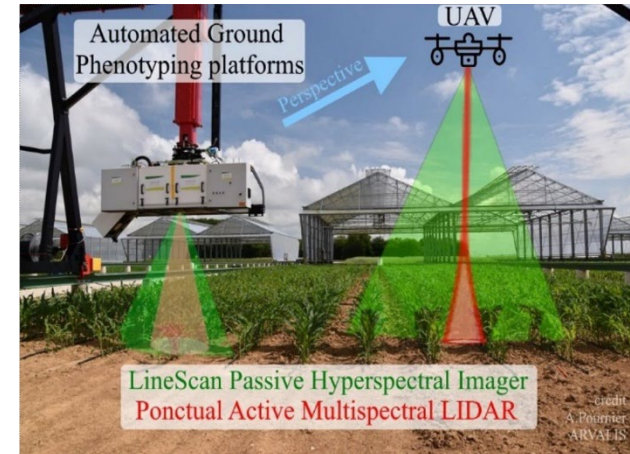
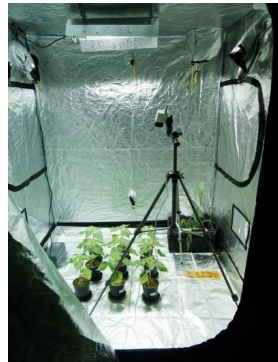
**Mid-IR and NIR sensors**

**In fields photosynthesis measurement by fluorescence of plant covers**

Benjamin Gac, PhD



**Hyperspectral Mid-IR imaging : study of plant water stress**



**Applications : NIR and Mid-IR sensing :** Detection of molecules, gas (CO<sub>x</sub>, NO<sub>x</sub>,...); sensing for environment, medical, agri agro



# FOTON SP - Highlights

- Support for the launch of companies within the *Laboratoire d'Optronique*, the predecessor of the FOTON laboratory:

- IDIL in 1995



- Optocom Innovation (→ Lumibird) in 1997



- Oxxius (P. Féron 2001, now collaboration with S. Trebaol)



*Prize winners, for example:*

- 2022: **Pascal Besnard** Transition Trophy (Persyst, Syrlinks)
- 2024: **Jean-Claude Simon** received the Grand prix Léon Brillouin  
*Most prestigious prize of the French Optical Society*



- Two impactful papers representing the synergy between the research platforms and the SP research groups:

**PERSYST / Optical Communications & Laser Physics:** *170 Gbit/s transmission in an erbium-doped waveguide amplifier on silicon.* Optics Express **17** p. 22201 (2009)

**CCLO / Guided optics and sensors:** *Optical characterization at 7.7  $\mu\text{m}$  of an integrated platform based on chalcogenide waveguides for sensing applications in the mid-infrared.* Optics Express **24** p. 23109 (2016)





**1975**  
IRISA CREATION



**3** SITES  
in Brittany



**+800**  
PEOPLE



**≈40**  
RESEARCH TEAMS



**56**  
DIFFERENT  
NATIONALITIES

## 7 scientific departments

- D1: Secured and Large Scale Systems
- D2: Networks, telecommunication and services
- D3: Architecture
- D4: Language and software engineering
- D5: Virtual reality, virtual humans, interactions and robotics
- D6: Signal, images, language
- D7: Data and knowledge management

## 8 transversal themes

Art, culture and heritage

Artificial Intelligence

Cybersecurity

Energy

Environment and ecology

Health and biology

Mobility and intelligent transportation

Robotics and drones

70+ members (ENSSAT, IUT, CNRS, INRIA)

## **D2: Networks, telecommunication and services**

- OCIF: *Communicating Objects for the Future Internet*
- SOTERN: *Self Protecting the Future Internet*

## **D3: Architecture**

- GRANIT: *Adaptive algorithms and architectures for energy-efficient wireless systems*
- TARAN: *Domain-Specific Computers in the Post Moore's Law Era*

## **D6: Signal, image, language**

- EXPRESSION: *Expressiveness in Human Centered Data/Media*

## **D7: Data and knowledge management**

- BARD: *DRUID + SHAMAN – Databases and Artificial Intelligence*

### **4 transversal themes**

Art, culture and heritage

Artificial Intelligence

Cybersecurity

Energy

## 21 members in Lannion and Rennes

- 11 permanents (2 in Lannion)
- 10 ongoing PhDs (3 in Lannion), 2 postdocs

## Some topics on protecting networks:

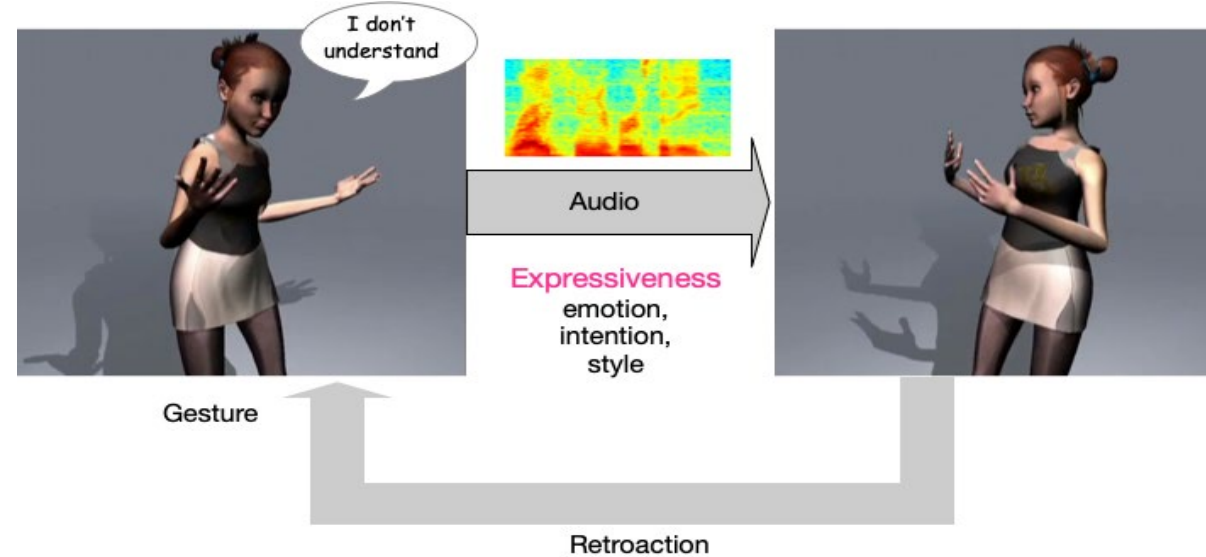
- **Autonomous security of networks**
  - Intent-based security: "Siri, protect my network"
  - Correlations between physical devices (smartphone) and network activity and network activity
- Anticipating threats for networks of the future
  - Stream manipulation in low-latency industrial networks

## Some ongoing projets:

PEPR Cybersécurité; PEPR Réseaux du futur; BPI 5G-metavers;  
EU CyberSecDome ; ANR JCJC BC4SSI



- **25-30 members in Lannion and Vannes**
  - 12 permanents,
  - 9 PhD theses in progress,
- **Expressivity in human language**
  - **Gesture, Speech, Text**
  - Generation, analysis and classification,
  - Multimodal data : understand and exploit interactions between them,
  - Deep learning : Evaluation, Explicability and Interpretability, Frugality
- **A selection of projects :**
  - **Speech Deepfake Detection**
  - Controlled generation of paraphrases
  - **Controlled text generation to combat disinformation**
  - Speech Prosody for TTS
  - Avatar communicating with sign language from text



# DRUID & SHAMAN = BARD

Bringing Ai to Revisit Data Management



## 28 members in Lannion and Rennes

- 18 permanents (12 in Lannion)
- 10 ongoing PhDs (5 in Lannion)

## Credo : reasoning on data to fully exploit their potential

- Data analytics using background/domain/expert knowledge
- Data science and machine learning pipelines within database management systems
- Handling data quality in data management (imprecision, inconsistency, uncertainty,...)
- Scalable reasoning-based data management in the cloud

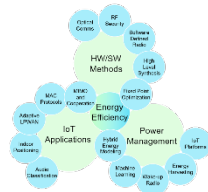
## Sample applications

- Anomaly detection in maritime transportation (DGA RAPID with HSBC & SemSoft)
- Hardware acceleration of big data analytics (CIFRE PhD Nokia – UnivRen)
- Music score analytics (PhD LTC – UnivRen)
- Modeling and analysing human learning (PhD CD22 – UnivRen)





# GRANIT: research topics on AI & Cyber



## Bring AI to the edge

- Reduce data transmission and storage
- Preserve privacy and reduce security leaks
- GRANIT team : ~30 people in Lannion campus

## Security Leaks of Spiking Neural Networks

- Based on device signature analog distortions
  - ANR SpiNNAch (2025-2028)

## Frugal AI for RF Fingerprint Identification

- Based on device signature analog distortions
- Investigate resilience with pruning for RFF
  - ANR JCJC RedInBlack (2023-2026)
  - 2 PhD Thesis (Creach Labs, with DGA-MI)

## Neuronal audio codec compression

- 2 CIFRE PhDs with Orange Labs

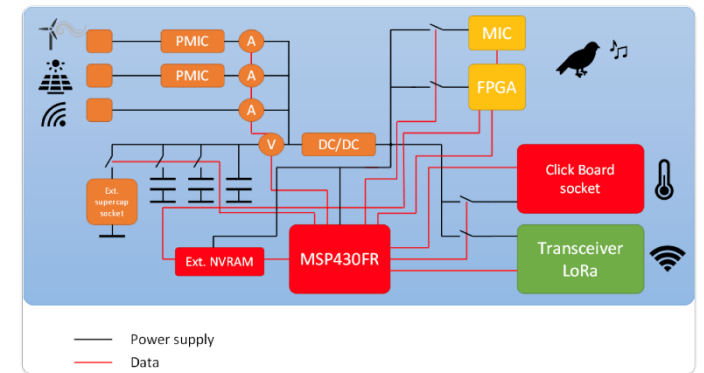
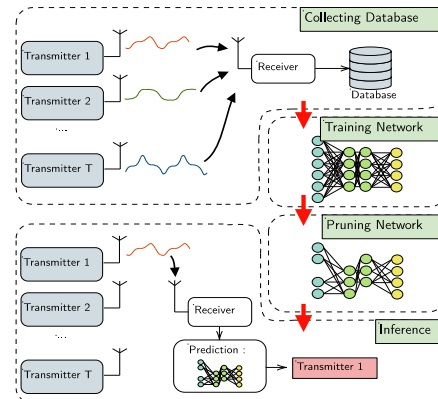
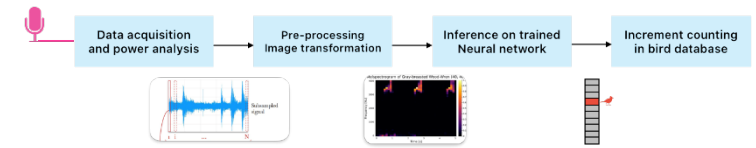
## AI for Non Intrusive Load Monitoring

- Spiral layers approach



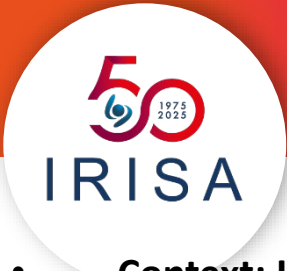
## Ultra low power architectures for edge processing

- Leveraging energy harvesting and management
- Non volatile RAM for intermittent processing
  - ANR Light-Swift (2023-2026) : France-Japan Edge AI call (NTT, NII, Wavely)
  - ANR OWL (2024-2027) : IA for Circuits call (LS2N, CNRS, INRIA)
  - ANR MiOT (2025-2028) : France-Switzerland (EPFL, UBS)



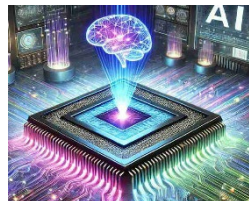
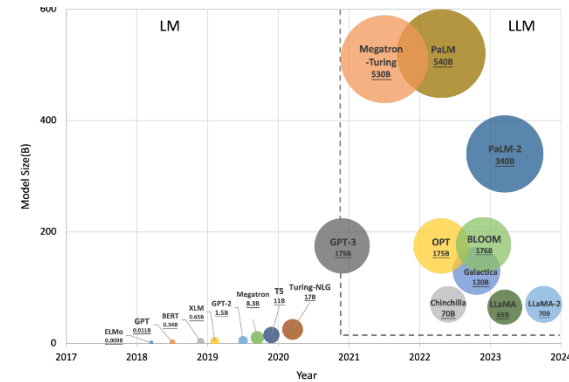
## Collaborative projects with industry

- Orange Labs, Nokia, Ericsson, Eco-counter
- Prolann/SeismoWave, CG Wireless, Feichter Audio, Ticatag



# TARAN : research topics on AI & Cyber

- **Context: HPC applications & Embedded Systems**
  - large models: increasing number of parameters & computing capacity needs
  - need to develop energy efficient computers
  - accelerators for AI algorithms
- **Taran : Domain-Specific Computer (6G, AI, ...)**
  - **Development of high-level methods and tools to help hardware accelerator designers**
    - Constraints: energy efficiency, resilience, security, accuracy
  - ~40 people, Rennes and Lannion campuses
    - 9 Permanent Researchers, 3 PostDocs, 6 Research Engineers, 23 PhD Students
  - **Collaborations on these topics:** CEA, Safran, Nokia, Thalès, Orange, DGA, CNES, INL, ...
  - **Involvements in AI & Cyber projects**
    - HOLIGRAIL Project leader – PEPR IA
    - PEPR Cyber Arsene, projet Cyberpros
    - EuroHPC DARE (RISC-V)
    - DGA AID Sniffer/expect
    - Project leader of future « Agence de programme Inria+CEA : Composants pour l'IA »
    - ~ 13 PhD on these topics



- AI for Trust and Security in and by Digital Systems
- One of the 9 clusters of excellence in France (France 2030 programme)
- Objectives:
  - Promote excellence in Education, Research and Innovation
  - Increase attractivity and visibility: international projects and events
- Tools (examples):
  - Datalabs, Hackathons, Apprenticeship
  - International tracks in graduate school
  - International chairs
- Contact: [iacluster@univ-rennes.fr](mailto:iacluster@univ-rennes.fr) / <http://cluster-sequoia.univ-rennes.fr/>

# Je vous souhaite une journée fructueuse

**10h50** : retour d'expérience « Recherche & Innovation » de 3 alumni Enssat

**11h40** : table ronde  
« du point de vue des industriels, quel doit être le rôle des écoles d'ingénieurs dans l'innovation ? »  
*animée par Estelle Keraval, directrice Anticipa*

**12h30** : cocktail - buffet – networking

**Mini-conférences de 3 pépites chercheur·es de l'Enssat**

**14h** : Hélène Ollivier, Institut Foton :  
« Plateforme de tests pour les télécommunications quantiques »

**14h20** : Robin Gerzaguët, Irisa :  
« Whispering devices - the overlooked attack surface »

**14h40** : Jonathan Chevelu, Irisa :  
« grands modèles de langage : fonctionnement, contrôle et utilisations intelligentes »

**15h** présentations des activités de recherche par les chercheur·es, visites possibles des laboratoires

Cette journée est coorganisée par



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