

# Tampere University as a unique environment for Photonics studies

# from advanced education to world-class research and wide industrial collaboration

**Prof. Goëry Genty** goery.genty@tuni.fi

Director of International MSc Program in Photonics Tech. Director of Flagship for Photonics Research and Innovation Professor in Ultrafast Photonics Photonics is the science and technology of light It is the technology of the 21st century



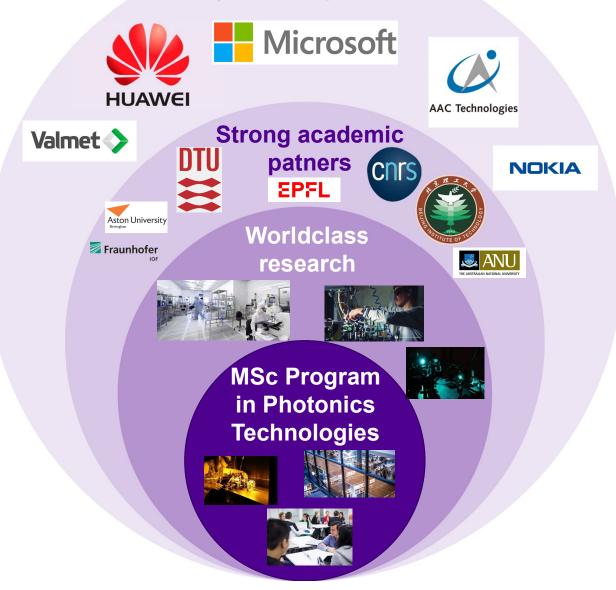
Study photonics = broaden your horizon





# A unique ecosystem

#### Large industry network



# **Master's Programme in Photonics Technologies 120 ECTS**

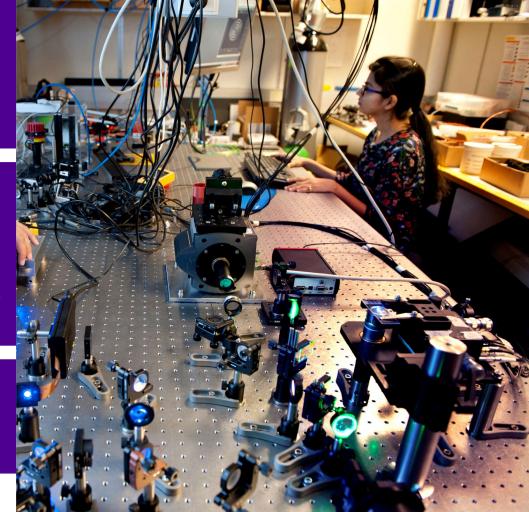
### **General studies 10 ECTS**

Introduction to Graduate Studies (1 ECTS) Finnish language (5 ECT) Thesis Seminar (1 ECTS) Thesis Writing in English (3 ECTS)

### **Advanced Studies in Photonics 90 ECTS**

Fundamentals of Optics and Photonics 25 ECTS Light-matter Interaction 20 ECTS Photonic Materials (15 ECTS) or Ultrafast Photonics & Lasers (15 ECTS) Master's thesis 30 ECTS

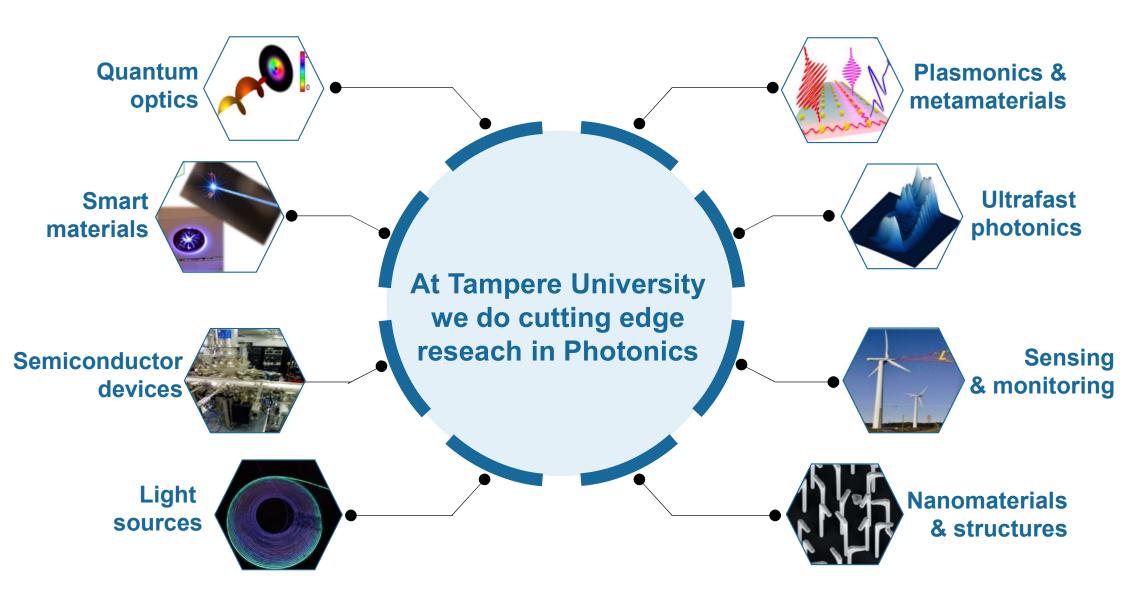
#### Elective Studies 20 ECTS Minor (20 ECTS) or elective courses

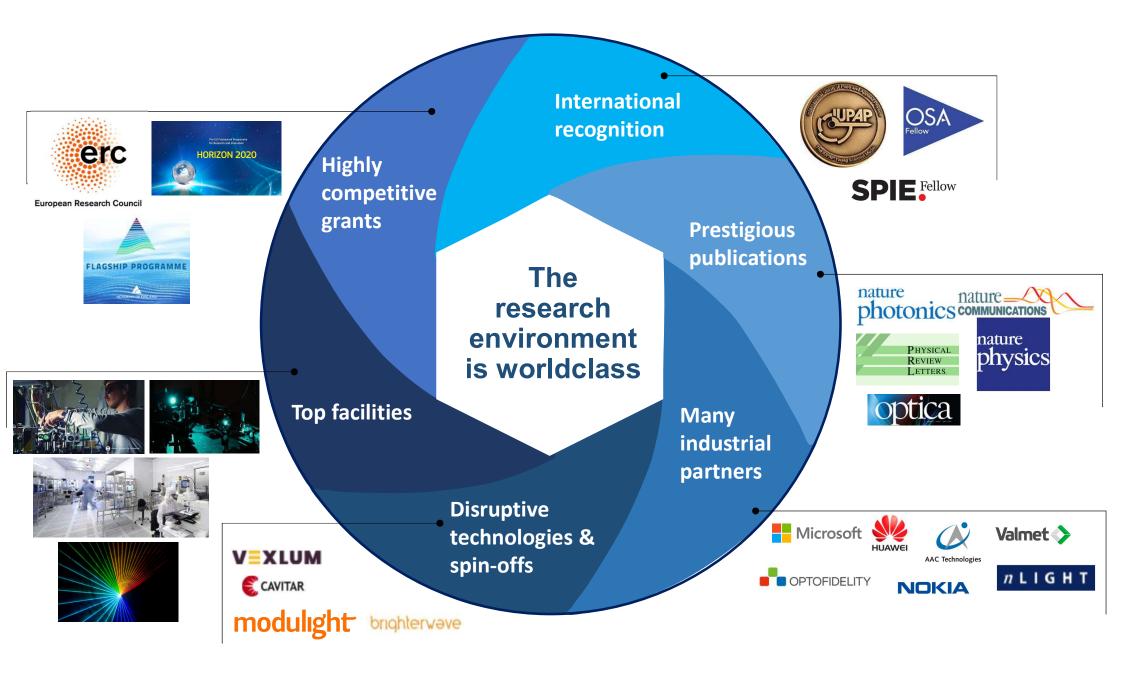


International MSc Program in Photonics Technologies			
High-quality teaching	▼	Fargetedecialization	Research Training
Personalized study experience		fast photonics	Qualifies for competitive PhD program
Our program development			omotes sustainable
$ \begin{array}{c}       Work \end{array}       \\       \hline       \\       \hline       $	<image/>	ECONOMIC So Constant Key Digital Technology Environmental monitoring	

Quantum technologies

AR/VR





# Program of research excellence



## Flagship for Photonics Research and Innovation

## Best of Finnish photonics expertise





PREIN

prein.fi

### Tackling important society challenges Energy production

Healthcare Environmental monitoring



Collaboration with more 50 international institutions





# - Human Potential Unlimited.