



Curriculum Vitae

Informazioni personali/

Personal Information

Nome e Cognome / Name and Surname *Sara Pellegrini*

Genere / Gender Femmina

Esperienze professionali/

Work Experiences

19/11/2006 - STMicroelectronics

I am an Advanced Photonics Pixel Architect at the Imaging sub-group within ST's Analog, MEMS and Sensors Group and have held this position since December 2017. I joined ST as Characterization and Modelling Engineer in 2006 and have progressed to the role of Session Manager and later to Pixel Architect. In my current role, I lead the advanced photonics sensor technology development, working in close collaboration with the silicon, process, module, and system R&D teams to define and develop ST's imaging photonics pixel roadmap and specification. I also work with external collaborators on several R&D projects within ST's Imaging PhD Programme. I hold several patents and authored and presented papers on SPAD (Single-Photon Avalanche Diode) and SPAD-based systems and applications.

Istruzione e formazione/

Education and Training

09/08/2000 - 09/08/2006 PhD in Physics at Heriot-Watt University

Competenze personali/

Personal Skills

Lingua madre / Mother tongue Italian

Altre lingue / Other languages * Livello / Level *

English C2 - Fluente

French B1 - Intermedio

* Autovalutazione / Self-assessment: [Quadro Comune Europeo di Riferimento delle Lingue / Common European Framework of Reference for Languages](#)

Altre competenze/

Other Skills

Altre competenze / Other skills

Patente di guida / Driving licence

**Ulteriori informazioni/
Additional Information**

Sito personale / Personal web <https://www.linkedin.com/in/sarapellegrini/>
pages

Ulteriori Informazioni / Additional
Info