

## Quantum Technologies enabled by Laser and Ion Implantation Fabrication

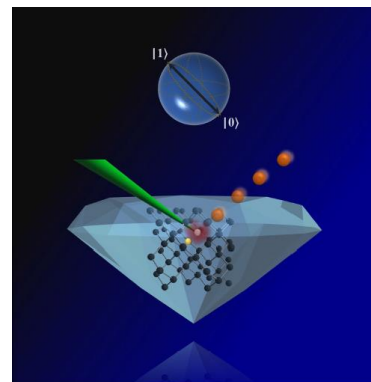
13 Early Stage Researchers (ESRs) will be trained in the **LaslonDef** Innovative Training Network (ITN) **European Project** on innovative and interdisciplinary approaches such as **ion implantation** and **femtosecond laser writing** to fabricate **quantum photonic integrated structures**, **colour center quantum emitters** and **microfluidics** in materials such as **diamond**, **gallium nitride**, and **hexagonal boron nitride**.

### PhD at the Institute of Quantum Optics at the University of Ulm

- Development of quantum technology based on diamond and hexagonal boron nitride
- Implementation of quantum sensing and quantum nodes in collaboration with other partners

- **For more information visit:**

<https://www.uni-ulm.de/nawi/institut-fuer-quantenoptik/mitglieder/mitglieder-ag-prof-kubaneck/>



### Seeking 2 PhD students for this interdisciplinary project

- Start date: positions open now (must start before 30th Sept 2021)
- PhD in **Physics** at the **University of Ulm**
- Supervised by **Dr. Alexander Kubaneck**, Professor at the Institute of Quantum Optics, Hybrid Quantum Systems
- 3-year PhD program
- Mobility rule: researcher must have resided or carried out their main activity outside of Germany for **more than 24 months** in the last 3 years
- Applicants must be in the first four years of their research careers and not yet have been awarded a doctoral degree
- Research visits to academic partners and industrial partners
- For further information, send your CV to [alexander.kubaneck@uni-ulm.de](mailto:alexander.kubaneck@uni-ulm.de)



UNIVERSITA  
DEGLI STUDI  
DI TORINO



Wrocław University  
of Science and Technology



LITHIUM LASERS