

Optics & Photonics in Selected Fraunhofer Society Initiatives

Fraunhofer Lighthouse Projects with substantial contributions from optics and photonics	
Lighthouse Project	Participating Fraunhofer Institutes
Go Beyond 4.0 (digital printing and laser processes)	Electronic Nano Systems (Coordinator) Applied Optics and Precision Engineering Manufacturing Technology and Advanced Materials Laser Technology Silicate Research
MaNiTU (solar cells)	Solar Energy Systems (Coordinator) Surface Engineering and Thin Films Silicate Research Microstructure of Materials and Systems Mechanics of Materials Fraunhofer Research Institution for Materials Recycling and Resource Strategies
QMag (Quantum magnetometry)	Applied Solid State Physics IAF (Coordinator) Physical Measurement Techniques Mechanics for Materials Microengineering and Microsystems Integrated Systems and Device Technology Fraunhofer Centre for Applied Photonics (in UK)
QUILT (Quantum methods for advanced imaging Solutions)	Applied Optics and Precision Engineering Laser Technology Microelectronic Circuits and Systems Optronics, System Technologies and Image Exploitation Physical Measurement Techniques Industrial Mathematics ITWM
6G SENTINEL	Integrated Circuits Telecommunications, Heinrich Hertz Institute Open Communication Systems Applied Solid State Physics Reliability and Microintegration

Fraunhofer Groups with substantial contributions from optics and photonics	
Fraunhofer Group	Participating Fraunhofer Institutes
Light & Surfaces	Applied Optics and Precision Engineering Laser Technology Organic Electronics, Electron Beam and Plasma Technology Physical Measurement Techniques Surface Engineering and Thin Films Material and Beam Technology
Microelectronics	Applied and Integrated Security AISEC (guest) Applied Solid State Physics Cognitive Systems Electronic Nano Systems High Frequency Physics and Radar Techniques Integrated Circuits Integrated Systems and Device Technology Microelectronic Circuits and Systems Microstructure of Materials and Systems Microsystems and Solid State Technologies Non-Destructive Testing Open Communication Systems Photonic Microsystems Reliability and Microintegration Silicon Technology High Frequency Physics and Radar Techniques