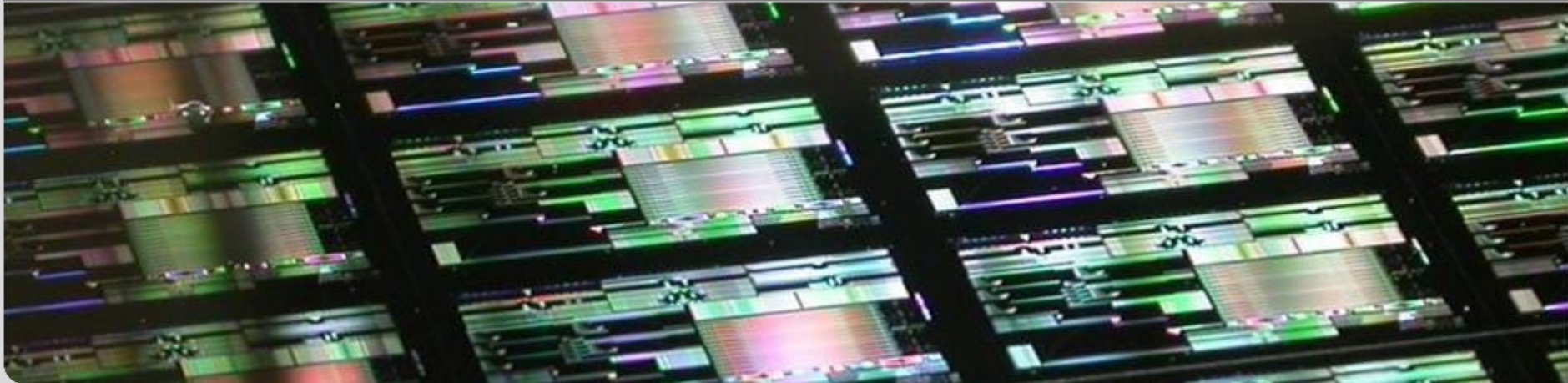


NAVOLCHI TelConf. 23.09.2013

Institute of Photonics and Quantum Electronics (IPQ), Karlsruhe, Germany
Institute of Microstructural Technology, Karlsruhe, Germany



- **Fabrication of the absorption modulators / at ETH**

- **Fabrication of the individual phase modulators / silver**
 - Lower propagation losses
 - To be characterized

- **Design of plasmonic Mach-Zehnder Modulators**
 - 3 x 4mm² area, submitted on 9th September
 - Possibility of direct detection
 - Grating pitch: 35μm, 50μm and 100μm
 - Number of devices: 16 MZM
 - Number of channels: 4
 - MZMs with the arm lengths of 10μm, 20μm, 30μm and 40μm

■ Milestones

MS14	Initial testing and characterization of plasmonic modulators	3	KIT	21	07/2013
------	--	---	-----	----	---------

■ Deliverables

D3.4	Report on fabrication of modulators	3	KIT	R	CO	24	10/2013
------	-------------------------------------	---	-----	---	----	----	---------