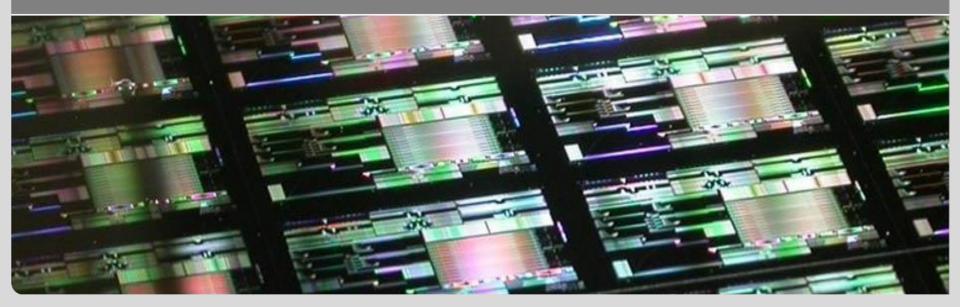


# NAVOLCHI TelConf. 02.03.2015

INSTITUTE OF MICROSTRUCTURE TECHNOLOGY (IMT), Karlsruhe, Germany



KIT – University of the State of Baden-Wuerttemberg and National Research Center of the Helmholtz Association

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## **Milestone / Deliverable Revision**



D3.4	Report on fabrication of	To be completed and	Executive summary is	
	modulators (24)	re-submitted	missing	
D5.5	Report on plasmonic waveguide couplers (24)	To be completed and re-submitted	Executive summary is missing	
 			inisonig	
D6.2	Report on characterisation results of all optical interface plasmonic passive components (27)	To be completed and re-submitted	Executive summary is missing	

1	Plasmonic passive components characterisation results with a	To be completed and re-submitted	Coupling loss is below 1dB. Executive summary is
	1dB coupling loss (24)		missing

### **Milestones**



Nr.	Title		Date
MS9	Decision on an optimized structure for plasmonic modulator		04/2012
MS25	Decision on optimized plasmonic waveguide couplers		04/2012
MS26	Fabrication of plasmonic waveguide couplers with less than 3 dB coupling loss		10/2012
MS37	Plasmonic active device characterization results		10/2012
MS11	Fabrication of plasmonic modulator on a SOI platform		01/2013
MS12	Decision on an optimized structure for plasmonic modulator with a maximum loss of 20dB		04/2013
MS14	Initial testing and characterization of plasmonic modulators		07/2013
MS38	Plasmonic passive components characterization results with a 1dB coupling loss	6	10/2013

#### **Deliverables**



Nr.	Title	WP	Date
D3.2	Report on modelling of the modulator structure	3	10/2012
D3.4	Report on fabrication of modulators	3	10/2013
D5.5	Report on plasmonic waveguide couplers	5	10/2013
D6.2	Report on characterization results of all optical interface plasmonic passive components	6	01/2014

### **Current Activities**

- Support ETH in preparing the system demonstrator
- Fabrication of an array of plasmonic Mach-Zehnder modulators
  - To be finished in 4-6 weeks