

NAVOLCHI TelConf. 02.03.2015

INSTITUTE OF MICROSTRUCTURE TECHNOLOGY (IMT), Karlsruhe, Germany



Milestone / Deliverable Revision

D3.4	Report on fabrication of modulators (24)	To be completed and re-submitted	Executive summary is missing
D5.5	Report on plasmonic waveguide couplers (24)	To be completed and re-submitted	Executive summary is missing
D6.2	Report on characterisation results of all optical interface plasmonic passive components (27)	To be completed and re-submitted	Executive summary is missing
MS38	Plasmonic passive components characterisation results with a 1dB coupling loss (24)	To be completed and re-submitted	Coupling loss is below 1dB. Executive summary is missing

Milestones

Nr.	Title	WP	Date
MS9	Decision on an optimized structure for plasmonic modulator	3	04/2012
MS25	Decision on optimized plasmonic waveguide couplers	5	04/2012
MS26	Fabrication of plasmonic waveguide couplers with less than 3 dB coupling loss	5	10/2012
MS37	Plasmonic active device characterization results	6	10/2012
MS11	Fabrication of plasmonic modulator on a SOI platform	3	01/2013
MS12	Decision on an optimized structure for plasmonic modulator with a maximum loss of 20dB	3	04/2013
MS14	Initial testing and characterization of plasmonic modulators	3	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