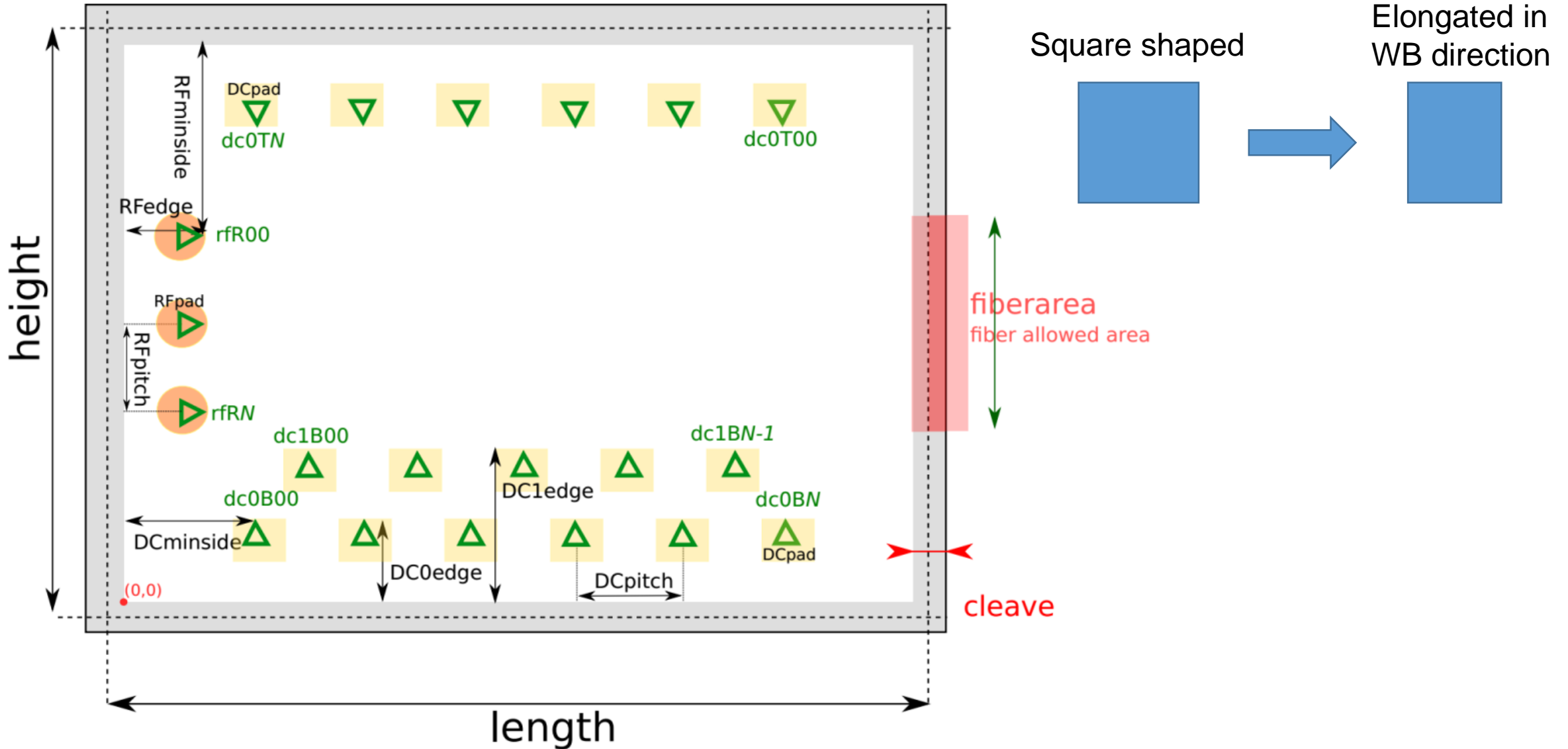


Agenda - Part I (start 14:00)

- 1. Last meeting's action points**
- 2. Progress and issues to be raised per partner**
 - a. TU/e**
 - b. Smart Photonics**
 - c. Bright Photonics**
 - d. Effect Photonics**
 - e. Technobis**
- 3. Summary**

Nr.	Description	Responsible
1.	SP22 Cells Presentation of composite BB and RF line cells	
	SP19 Results Discussion on metal opening and minimum width dimensions	
2	SI library Rui comments that development of a separate library for semi-insulating substrate could be started.	
3	SP20 Metal has adhesion problem on some chips of SP20. This has not been transparently communicated	
4	Wafertesting Smart focuses first on Effect photonics chips and performs Gage R&R on multiprobe testing	
Action	PixApp pad layout Align with most up-to-date pixapp pad layout	Weiming

Pad layout

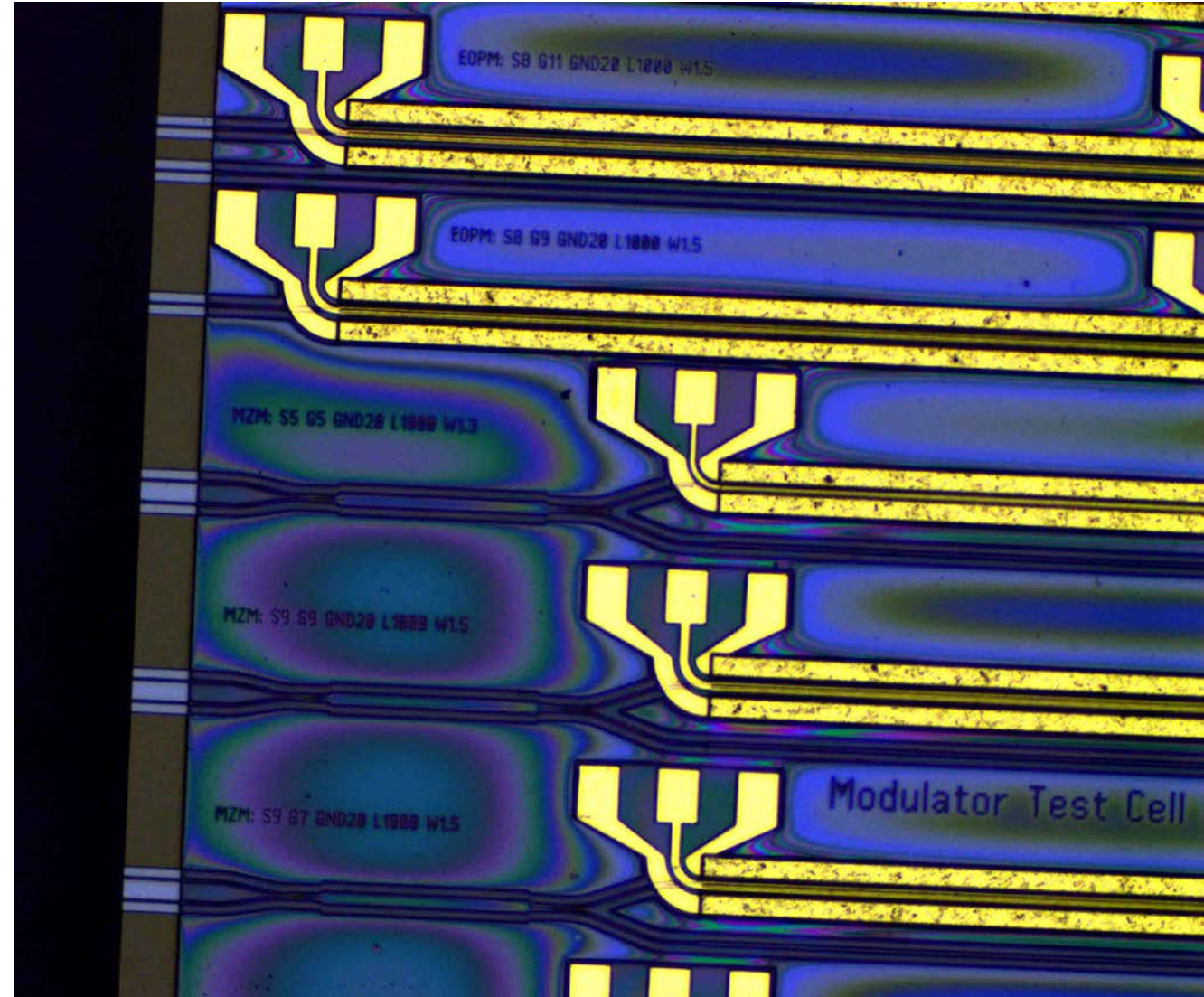


SP 20 MZM



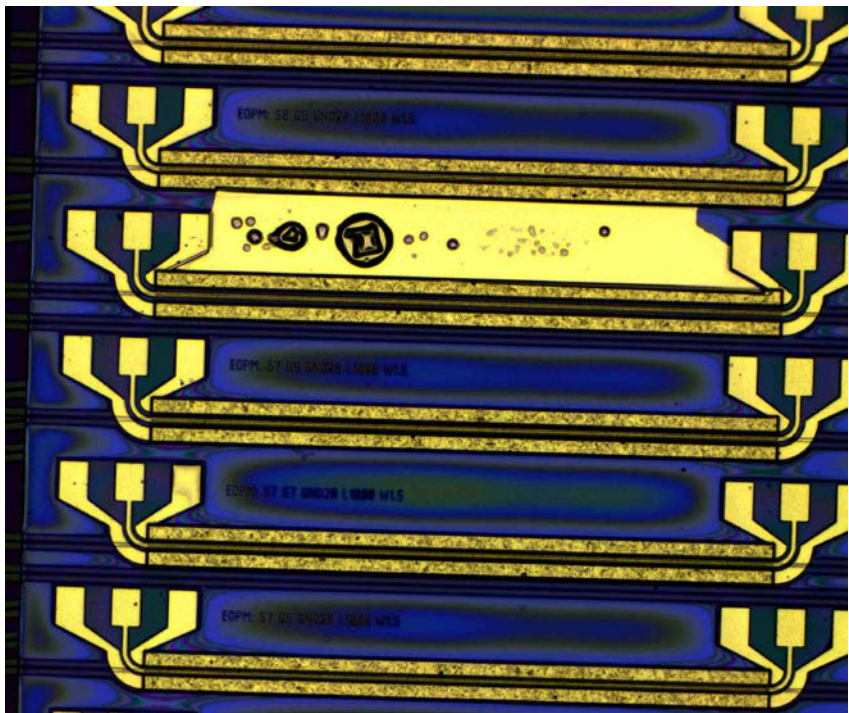
N?

SI?

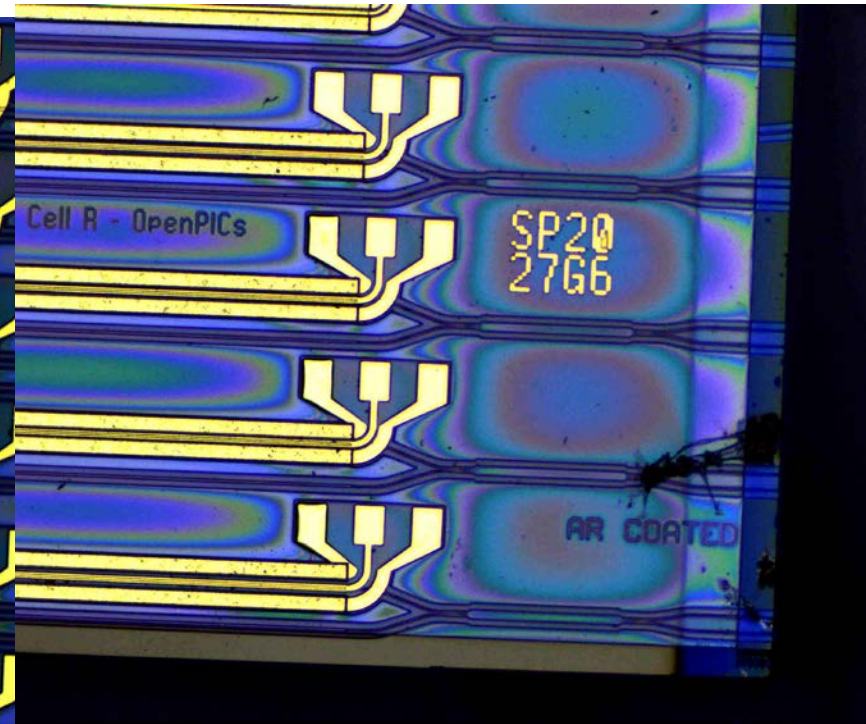
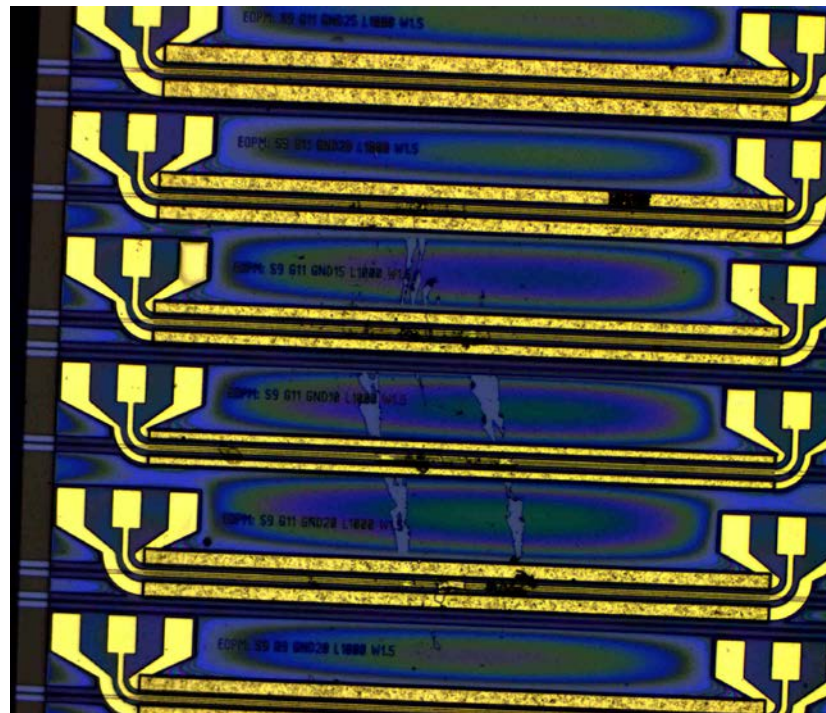


More images SI

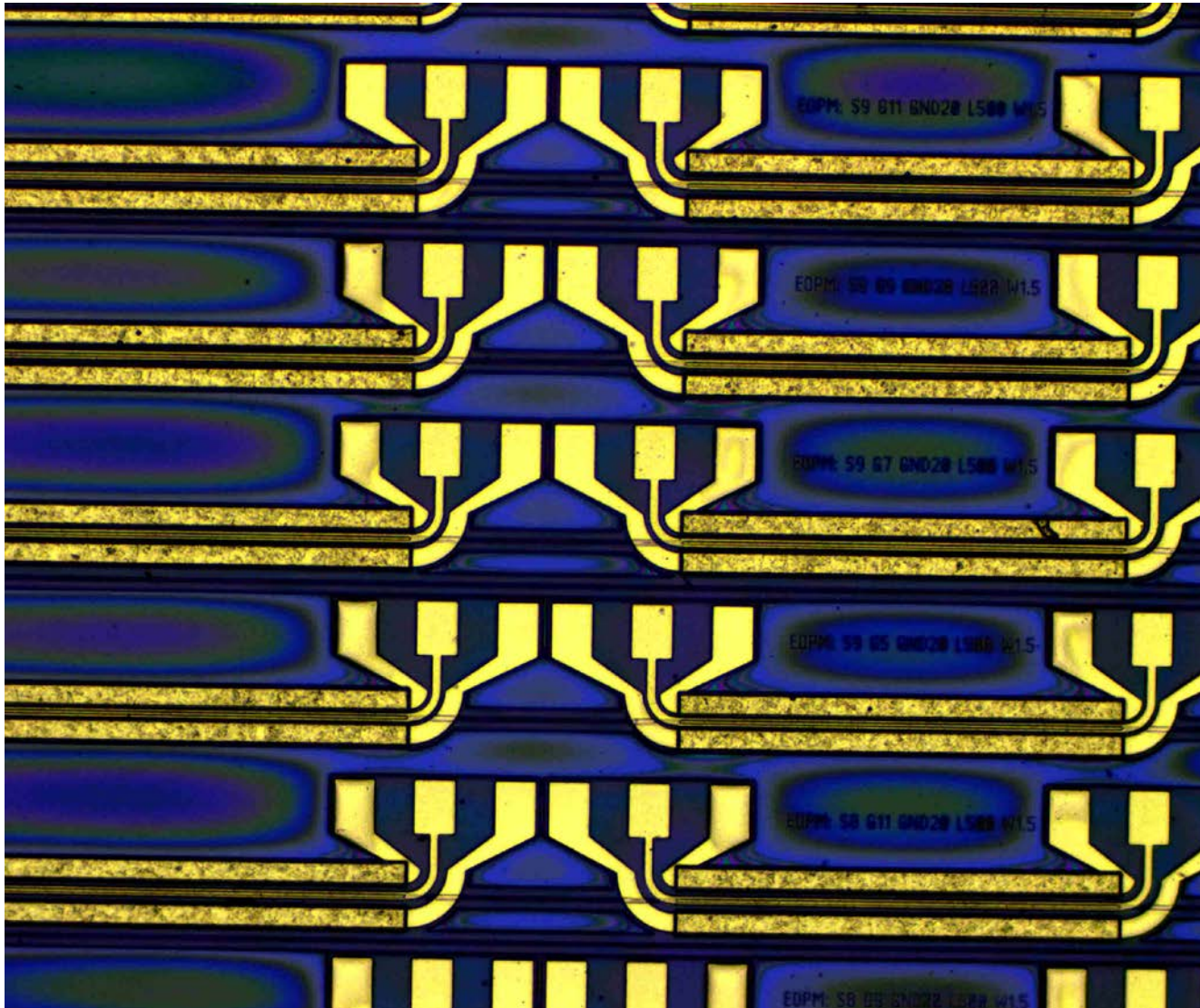
27C9

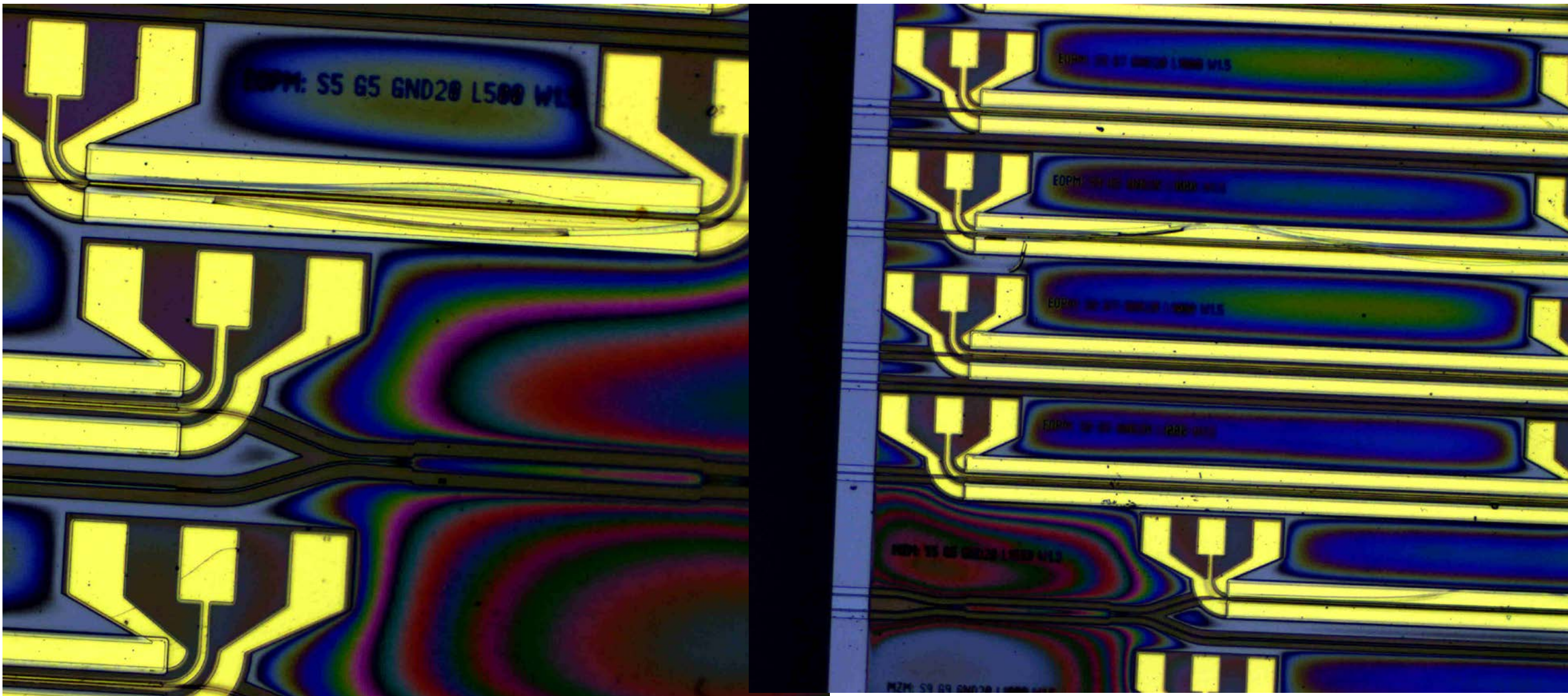


27G6



P to N metal SI

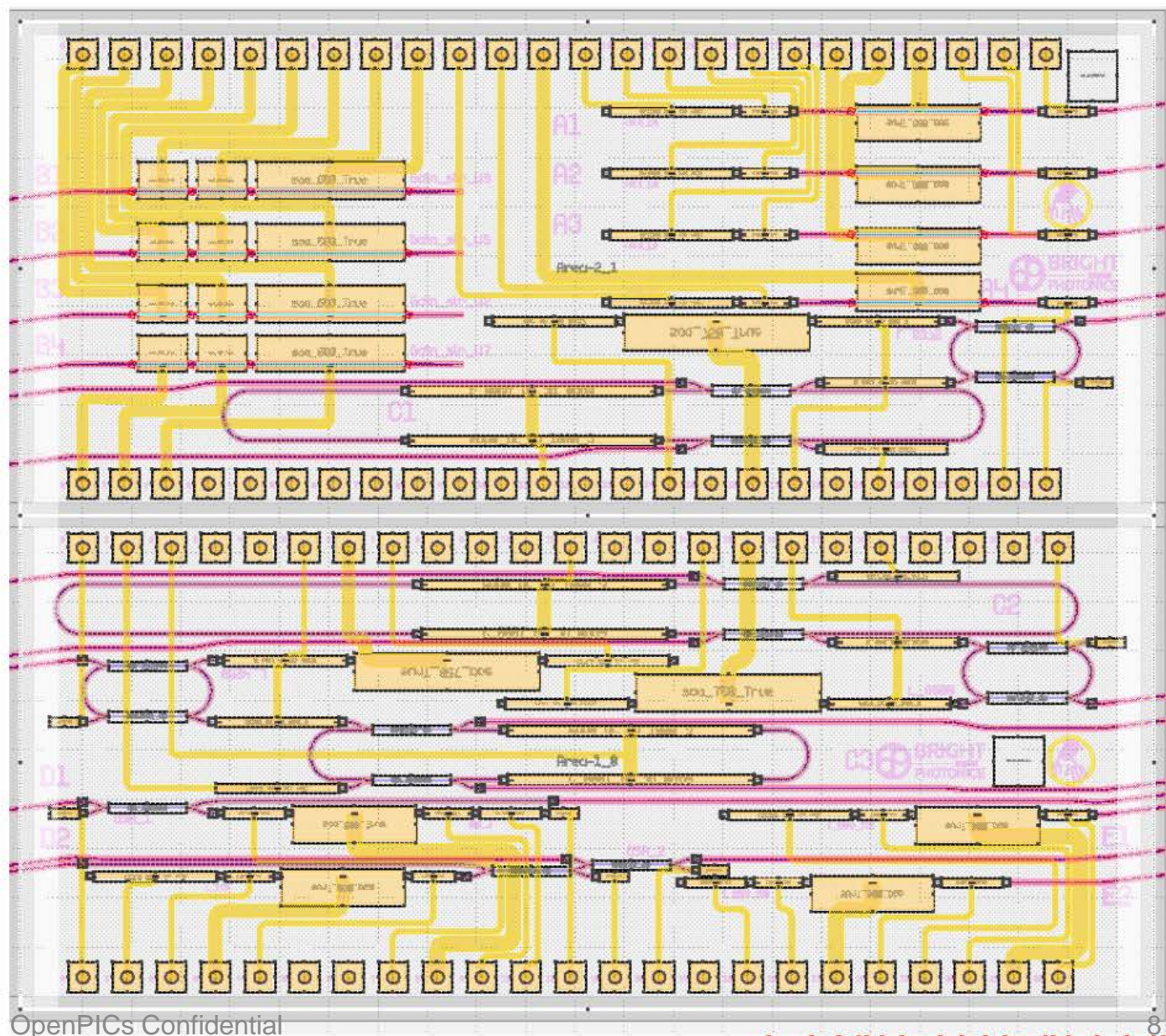




SP 22 mask design

Circuits included:

1. Extended cavity tuneable lasers.
2. “High power” lasers with wide SOA
3. Gain measurements test structures for wide SOAs
4. Test structures for DBR laser based spectrometer



Agenda - Part II (start 15:00)

1. Last meeting's action points
2. Progress and issues to be raised per partner
 - a. TU/e
 - c. Bright Photonics
 - d. Phoenix
3. Summary

Work Package 3 - Building Block Improvement

ID	Title	Responsible	Due Times	Reoccurrence
<i>WP 3.1</i>				
<i>BB Design</i>				
WP3.1.M0	Technology and Design Concept	Weiming, Ronald	● Dec-16	
WP3.1.R0	Analysis and Design	Weiming, Ronald	● Jun-17	
WP3.1.M1	Mask Design Tape-out I	Weiming, Ronald	● Jun-17	
WP3.1.R1	BB Results I	Weiming, Ronald	● Mar-18	
WP3.1.M2	Mask Design Tape-out II	Weiming, Ronald	● Sep-18	
WP3.1.R2	BB Results II	Weiming, Ronald	● Jun-19	
<i>WP 3.2</i>				
<i>PDK Content</i>				
WP3.2.M0	State of the PDK	Rui	● Dec-16	
WP3.2.M1	Definition of basic BB figure of merits	Rui	● Mar-17	
WP3.2.M2	Definition of composite BB FoM	Weiming	● Mar-17	
WP3.2.R0	Definition of measurement procedures	Weiming	● Jun-17	
WP3.2.R1	PDK upgrade with new advanced BB	Rui	● Mar-18	
WP3.2.R2	Compact Models	Rui	● Jun-18	
<i>WP 3.3</i>				
<i>BB Characterization</i>				
WP3.3.R0	Design of Standard MPW BB test cell	Weiming	● Mar-17	
WP3.3.M0	Report on standard MPW BB cell results	Rui	Every MPW	
WP3.3.R1	Design of composite BB test cell	Weiming	● Sep-17	
WP3.3.M1	Report on composite test cell results	Weiming	● Mar-18	
<i>WP 3.4</i>				
<i>Design Environment</i>				
WP3.4.DF.R0	Design Flow document	Marcel	● Mar-17	Jan-18 Nov-18
WP3.4.DF.R1	Improvement points	Marcel	● Apr-17	Feb-18 Dec-18
WP3.4.DF.M0	Implementation of selected improvement points	Marcel	● Jan-18	Nov-18 Sep-19
WP3.4.DF.R2	Final Design flow Document	Marcel	● Sep-19	
WP3.4.EF.R0	Execution Flow document	Ronald	● May-17	Mar-18 Jan-19
WP3.4.EF.M0	Implementation of an Execution DB	Ronald	● Mar-18	Jan-19 Sep-19
WP3.4.EF.R1	Final Execution Flow document	Ronald	● Sep-19	
WP3.4.PDA.M0	Development of PDAflow template	Marcel	● Mar-17	May-18 Jul-19
WP3.4.PDA.M1	Implementation of first building block	Marcel	● Apr-17	
WP3.4.PDA.R0	Full documentation of template	Marcel	● Mar-17	May-18 Jul-19
WP3.4.PDA.M2	Update of Smart and TU/e PDK	Marcel	● Jun-18	Dec-18 Sep-19
WP3.4.DRC.R0	DRC requirement report	Marcel	● May-17	
WP3.4.DRC.R1	Documentation of DRC capability	Marcel	● Aug-17	Aug-18 Jun-19
WP3.4.DRC.M0	DRC Implementation in PDKs	Marcel	● Nov-17	Sep-18 Jul-19
WP3.4.DRC.R2	Implementation of new DRC functionality	Marcel	● Aug-18	Jun-19
<i>WP 3.5</i>				
<i>Demonstrator Design</i>				
WP3.5.R0	400G Transmitter concept	Saeed	● Mar-17	
WP3.5.R1	Fiber sensing chip concept	Pim	● Mar-17	
WP3.5.M0	400 G Transmitter Design	Saeed	● Sep-18	
WP3.5.M1	Fiber Sensing Chip Design	Ronald	● Sep-18	
WP3.5.M2	Results of 400G Transmitter	Saeed	● Jun-19	
WP3.5.M3	Results of fiber sensing chip	Pim	● Jun-19	