



„Photonic technologies for harsh environments and space applications“

from August 25th to August 31st 2019 in Frankfurt (Oder) and Rome



The objective of this summer school:

- Novel technologies like silicon photonics enable the future demands of the society for increasing high speed data transfer and broad band communication systems.
- Si-Photonic technologies in particular electronic-photonics-integrated-circuit (EPIC) technologies are foreseen for extra-terrestrial and medical applications as intra satellite communication. For this reasons higher requirements with respect to stability and reliability of components and modules.
- We provide inside view to recent developments in the field of photonics technologies, circuits and systems.
- Novel developments and challenges for high performance technologies in harsh environments are presented and discussed.
- We want to teach and discuss these developments and give the opportunity to create the future – join us!

Preliminary program:

Time	Location							
	Frankfurt (Oder)			Rome				
	25.08.2019	26.08.2019	27.08.2019	28.08.2019	29.08.2019	30.08.2019	31.08.2019	
9:00 - 10:00	Arrival at own expense - Frankfurt (Oder)	Lectures at IHP	Lectures at IHP	Changeover to Rome by Airplane	Lectures at Tor Vergata	Lectures at Tor Vergata	Departure at own expense	
10:00 - 11:00		Lunch	Lunch		Lunch	Lunch		
11:00 - 12:00		Lectures and Lab Tour at IHP	Lectures at IHP		Visit to INFN	Visit to Thales Alenia Space		
12:00 - 13:00								
13:00 - 14:00								
14:00 - 15:00								
15:00 - 16:00								
16:00 - 17:00	Welcome Get Together	Social Activity	Social Activity	Social Activity	Social Activity	Farewell Get Together		
17:00 - 18:00								
Evening								

Requirements and Applications

sent as a single PDF file, by e-mail within 30th of April 2019

- motivation letter
- copy of the master's or PhD certificate (if you already finished your study)
- student record
- short CV

All about participation:

- limited to 20 participants
- registration fee of 150 € (includes accommodation in Frankfurt (Oder) and Rome, 2 flights, lunch on lecture days and 2 evening meals)
- be enrolled in M.Sc. or PhD studies (or equivalent) or have an degree in Physics, Computer Sciences, Materials Science or Electrical Engineering

→ Find us on facebook:

<https://www.facebook.com/summerschoolmicroelectronics>

→ or on our website:

<https://www.ihp-microelectronics.com>



Scientific Committee:

Prof. Mauro Casalboni (Uni Roma Tor Vergata)
 Dr. Gunter Fischer (IHP)
 Prof. Sigurd Schrader (TH-Wildau)
 Prof. Andreas Mai (IHP + TH Wildau)
 Dr. Andrea Salamon (INFN)

Organization:

Prof. Mauro Casalboni
 Professor at University of Roma - Tor Vergata

Prof. Andreas Mai
 Head of Technology Department at IHP and Professor at TH Wildau

Anne-Kristin Jentzsch (IHP)
 Co-Coordinator:
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Partners:

