



Endless-Island 1st Photonics Workshop - 23-24 June 2022

DAY ONE

Location: Marina di Arbatax

<i>Sessions</i>	<i>Timetable</i>	<i>Speaker</i>	<i>Title of presentation</i>
Morning	Chairman: Mahmoud Hmidat		
	08:45 - 09:15		<i>Opening and presentation of the workshop program</i>
	09:15 - 10:00		<i>Welcome from local authorities</i>
		Massimo Cannas	Tortoli Municipality Mayer
		Franco Amendola	Industrial Consortium of Tortoli

FILAR - Opto Materials Srl
 Zona Industriale, Località Baccasara - 08048 Tortoli (OG) - Italy
 Tel. +39 0782 628359/623174 Fax +39 0782 628063/622157
 E-mails: info@smeurope.com info@optomaterials.com – www.optomaterials.com
 Registro delle Imprese di Nuoro, Partita IVA e Codice Fiscale 01145090914 - R.E.A: 78103 Capitale Sociale Euro 150.000,00
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		Marcello Ladu	CEO Tortoli Airport
		Igino Bussa	Tortoli branch manager – Banco di Sardegna
		Giacomo Cao	DASS (Sardinia AeroSpace District)
1	10:00 - 10:30	Giovanni Masotti	Photonics as a key to progress: from micro-invasive surgery to e-mobility
2	10:30 - 11:00	Erik Beckert	Non-linear crystal materials for single photon quantum technologies
	11:00 - 11:30	<i>Coffee break</i>	
3	11:30 - 12:00	Carlo Ricci	Criticality in photonics: the unsolved problem of the critical raw Materials
4	12:00 - 12:30	Marcello Colledani	Zero-defect manufacturing solution for the opto-electronic industry
	12:30 - 14:00	<i>Lunch break</i>	

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Afternoon <i>Chairman: Erik Beckert</i>			
5	14:00 - 14:30	Ted Masselink	Power scaling in quantum cascade lasers using broad-area stripes with reduced cascade number
6	14:30 - 15:00	Mykhaylo Semtsiv	Thermal Load Analysis in High-Brightness Quantum-Cascade Lasers
	15:00 - 15:30	<i>Coffee break</i>	
7	15:30 - 16:00	Gottfried Strasser	Monolithically integrated quantum cascade devices for sensing applications
DAY TWO Location: FILAR Optomaterials			
Morning <i>Chairman: Mahmoud Hmidat</i>			
8	9:00 - 9:30	Martin Hempel	Catastrophic Optical Damage in GaN Diode Lasers - Barrier to Ultra High Power
	9:30 - 10:00	Cristina Leone	Welcome by the president of CTNA (National Aerospace Technology Cluster)

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9	10:00 - 10:30	Errico Armandillo	Advances in Photonic Technologies for Observations from Space
	10:30 - 11:00	<i>Coffee break</i>	
10	11:00 - 11:30	Roland Kalms	Functional testing of GALACTIC Alexandrite crystals in a highly efficient cavity-dumped Q-switched laser system
11	11:30 - 12:00	Mahmoud Hmidat	Development and production of custom laser crystals for space research
	12:00 - 12:30	<i>Visit to company facility</i>	
	12:30 - 14:00	<i>Lunch break</i>	
	14:00 - 14:30	<i>End of the workshop</i>	

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