

LSIPF 2024

Light: Sino-Italian Photonics Forum

C N R - D S F T M & C A S - C I O M P

17th-18th May, 2024
Rome, Italy

2024

CNR
DSFTM



Light Science & Applications

Light Advanced Manufacturing

eLight

General Program

17th May	
Venue: Sala A Biblioteca Centrale "G. Marconi" - P.le Aldo Moro, 7 00185 Roma (CNR)	
Time	Event
<p style="text-align: center;">Opening Ceremony Chairs: Prof. Chengshan Han, Vice President of CIOMP</p>	
9:00-9:15	<p>Welcome Remarks Prof. Xuejun Zhang, President of CIOMP, China Prof. Stefano Fabris, Director of CNR-DSFTM, Italy</p>
9:15-9:30	<p>Opening Ceremony of Light- Italy Office Prof. Yuhong Bai, Executive EIC of Light: Science & Applications and Prof. Pietro Ferraro Editor Board Member of Light: Science & Applications</p>
9:30-9:50	<p>Award Ceremony "Sino-Italy Light Forum Young Investigator Award" Award Presenter: Prof. Shouhong Sun (Vice President of CIOMP) "Sino-Italy Light Collaboration Promotion Award" Award Presenter: Prof. Giulio Cerullo (CNR, Italy)</p>
9:50-10:10	<p>Prof. Xuejun Zhang (CIOMP, China) Title: Introduction to CIOMP & Ultra-precision Polishing Asphere and Freeform Optics Using Robot based CCOS&MRF</p>
10:10-10:30	<p>Prof. Stefano Fabris (CNR-DSFTM, Italy) Title: Introduction to CNR-DSFTM</p>
<p style="text-align: center;">Introduction to Light: Sino-Italian Photonics Forum Scientific Chairs: Prof. Giulio Cerullo, Prof. Pietro Ferraro</p>	
10:30-10:45	Introduction to Scientific Meeting
10:45-11:15	<p style="text-align: center;">Group Photo & Coffee Break</p>
<p style="text-align: center;">Session 1, Chair: Prof. Giulio Cerullo</p>	
11:15-11:45	<p>Prof. Daping Chu, (University of Cambridge, UK) Keynote Talk Title: Recent Development of LC Based SLMs</p>
11:45-12:00	<p>Dr. Giacomo Corbelli (CNR-IFN, Italy) Title: Integrated quantum photonics on laser-written waveguide circuits</p>
12:00-12:15	<p>Prof. Haixiang Hu (CIOMP, China) Title: Research on Spatial Frequency Response in Optical Components Ultra-Precision Manufacturing</p>
12:15-12:30	<p>Dr. Gianluigi Zito (CNR-ISASI, Italy) Title: Enhanced Light-Matter Interactions with Photonic Bound States in the Continuum</p>

12:30-12:45	<p>Prof. Francesco Morichetti (Politecnico di Milano, Italy) Title: Programmable Photonic Integrated Processors for Free-Space Optical Links</p>
12:45-13:00	<p>Prof. Camilla Baratto (CNR-INO, Italy) Title: Investigation of plant-related metabolites by Raman Spectroscopy and chemometrics: strategies for next-generation agriculture</p>
13:00-14:00	Lunch
<p style="text-align: center;">Session 2, Chair: Prof. Haixiang Hu</p>	
14:00-14:30	<p>Prof. Fei Ding (Leibniz University Hannover, Germany) Keynote Talk Title: Can we build a large-scale quantum network with deterministic quantum light sources?</p>
14:30-15:00	<p>Dr. Miriam Serena Vitello (CNR-NANO, Italy) Keynote Talk Title: Quantum cascade laser frequency combs and applications in near field THz nanoscopy</p>
15:00-15:15	<p>Dr. Antonio Fieramosca (CNR-NANOTECH, Italy) Title: Room temperature polariton nonlinear fluids</p>
15:15-15:30	<p>Prof. Sife Zhang (CIOMP, China) Title: Modeling of advanced optical surfaces with localized and segmented approaches</p>
15:30-15:45	<p>Dr. Franco Camargo (CNR-IFN, Italy) Title: Ultrafast Holographic Microscopy</p>
15:45-16:00	<p>Prof. Eugenio Delke (University of Rome La Sapienza, Italy) Title: Harnessing high-dimensional topological defects in spontaneous ferroelectric photonic supercrystals</p>
16:00-16:30	Coffee Break
<p style="text-align: center;">Session 3, Chair: Dr. Lisa Miccio</p>	
16:30-17:00	<p>Prof. Costantino De Angelis (University of Brescia, Italy) Keynote Talk Title: Analog computing with nonlinear flat optics</p>
16:00-17:15	<p>Prof. Luciano De Sio (Sapienza University, Italy) Title: Active plasmonic nanomaterials for biomedical applications</p>
17:15-17:30	<p>Dr. Carlo Ferrante (CNR-SPIN, Italy) Title: Self-driven third order nonlinear effects from the visible to the extreme ultraviolet</p>
17:30-17:45	<p>Dr. Riccardo Cucini (CNR-IOM, Trieste) Title: Triggering and detecting coherent magnons via Transient Grating Spectroscopy</p>
TBD	<p>Reception Dinner -Locanda Coronari Piazza dei Coronari, 1, 00186 Roma RM</p>

18th May

Venue: Best Western Globus Hotel, Viale Ippocrate, 119

Session 4, Chair: Prof. Sile Zhang

9:00-9:15	Prof. Hanyi Fu (CIOMP, China) Title: Brief Introduction of Space Optics Department I of CIOMP
9:15-9:30	Prof. Zhi Wang (CIOMP, China) Title: Research progress of key measurement system for spaceborne gravitational wave detection
9:30-9:45	Prof. Yutang Wang(CIOMP, China) Title: Multidisciplinary Research on Motion Compensation for Airborne Optical Imaging
9:45-10:00	Prof. Tao Yu (CIOMP, China) Title: Core Measurement Electronic System for Space Gravitational Wave Detection
10:00-10:15	Prof. Qingyu Meng(CIOMP, China) Title: Research on desensitization design method of optical systems
10:15-10:30	Prof. Yanlin Sui(CIOMP, China) Title: Research Progress on Capacitive Sensing Circuits of Inertial Sensors
10:30-10:45	Dr. Fulvio De Persio(Agenzia Spaziale Italiana) Title: TBD
10:45-11:15	Coffee Break
Session 5, Chair: Prof. Pietro Ferraro	
11:15-11:30	Prof. Haitao Nie(CIOMP, China) Title: Embedded Edge Intelligent Visual Information Processing Technology and System Application
11:30-11:45	Dr. Cristian Manzoni (CNR-IFN, Italy) Title: A hyperspectral camera for space applications
11:45-12:00	Prof. Dong Yaof(CIOMP, China) Title: Multi-dimensional optical remote sensing technology and its application prospect
12:00-12:15	Dr. Lisa Miccio (CNR-ISASI, Italy) Title: Quantitative flow-cyto-tomography
12:15-12:30	Prof. Qiaoyuan Liu(CIOMP, China) Title: Synergizing General and Remote Sensing Video Tracking: A Gap Analysis and Proposed Solutions
12:30 -12:45	Closing remarks <i>Future and perspectives of cooperation for years ahead</i>

Note