



European Materials Research Society

2026 Spring Meeting

May 25 - 29
Strasbourg Convention Centre

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SYMPOSIUM P

Chiral materials at all scales

Oral sessions : BOSTON - FIRST FLOOR

Poster sessions : ETOILE - FIRST FLOOR

Symposium Organizers:

Adriana PIETROPAOLO, University of Catanzaro, Italy

Hiroshi YAMAMOTO, Institute for Molecular Science, Japan

Matteo MAURO (Main organizer), Università degli Studi di Padova - Dipartimento di Scienze Chimiche, Italy

Monday May 25
P01 Chiral nanomaterials I
 Chairperson(s): YAMAMOTO Hiroshi

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08:30	2085	Spin-Polarized Optoelectronic Functions in One-dimensional Helical Perovskites ISHII Ayumi (Invited)
09:00	2695	Engineering Chirality in I-III-VI Multinary Quantum Dots: Synthesis, Applications and Chiroptical Properties BRANZI Lorenzo
09:15	2487	Understanding circular dichroism in metal halide perovskites with structural chirality KSHIRSAGAR Aseem Rajan
09:30	278	Twisting Light and Spin in Chiral Halide Perovskites TAO Shuxia (Invited)

Monday May 25
P02 Chiral nanomaterials II
 Chairperson(s): ABHERVÉ Alexandre

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10:30	2738	Chirality in Hybrid and Organic Semiconductors: Novel Material Systems and Ultrafast Dynamics DESCHLER Felix (Invited)
11:00	2212	Merging Chirality and Plasmonics for Spin-Controlled Energy Conversion VENSAUS Priscila
11:15	2215	Plasmonic Metasurfaces for Chiral Light-Matter Interactions YADAV Sumit
11:30	1800	Spin-selective manipulation of room-temperature valley polarisation in chiral perovskite-WSe heterostructures SHEKHAWAT Vibhooti
11:45	1646	Coexisting Optical, Magnetic and Piezoelectric Effects in Intrinsically Chiral Hybrid Metal Halides RANJAN Priya

Monday May 25
P03 Chiral nanomaterials III
 Chairperson(s): AVARVARI Narcis

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14:30	2863	Chiral Halide Perovskite Materials for Optoelectronic and Spintronic Applications ABHERVÉ Alexandre (Invited)
15:00	1342	In Situ Grown Chiral Perovskite Nanocuboids for Scalable Spin-Polarized Light-Emitting Diodes SON Jaehyun
15:15	2433	Chiral Plasmonic Spin-Orbit Modes as a Route to Valley-Selective Exciton-Plasmon Strong Coupling in Atomically Thin Semiconductors CHOWDHURY Tamaghna
15:30	2943	Spin-activated circular-polarized electroluminescence enabled by distorted perovskitoid heterointerfaces XU Weidong
15:45	3136	Intrinsic supercurrent non-reciprocity coupled to the crystal structure of a van der Waals Josephson barrier KIM Jae-Keun

Monday May 25
P04 Chiral nanomaterials IV
 Chairperson(s): PIETROPAOLO Adriana

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16:30	3240	Enhancement of Second Harmonic Generation and Spin Splitting in Chiral Hybrid Perovskites via Halogen Site Engineering STROPPA Alessandro (Invited)
17:00	2909	Chirality-induced vectorial spin-charge conversion WITTMANN Angela (Invited)
17:30	1038	Organic to inorganic chirality transfer in chiral hybrid perovskites investigated through hydrostatic pressure MATHIEU Samuel
17:45	2423	Nonlinear Optical Probing of Chirality in Ferroelectrics Using CD-SHG Microscopy HAJDARI-MANIGAULT Loan
18:00	3142	Non Collinear Order in Hexaferrites STEADMAN Paul
18:15	3177	Interplay of structure chirality, electron spin, and orbital in topological chiral semimetal QUN Yang
18:30	1249	Exploring metrics to quantify crystal chirality HALLETT Alex

Tuesday May 26

P05 Supramolecular chiral materials I

Chairperson(s): MAURO Matteo

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- 08:30 2660 Circularly Polarized Light Absorption and Emission from Thin Films
DI BARI Lorenzo (Invited)
- 09:00 819 Headgroup-Controlled Inversion of Solvent-Induced Supramolecular Chirality in Cyanine J-Aggregates
POLLIEN Audrey
- 09:15 1740 Chiral Organic 2D p-n Heterostructures for Polarization-Sensitive Multimodal Image Processing
AHN Jongtae
- 09:30 2200 Bimetallic Ir-Eu Complexes for Electrochemically-Sensitized Circularly Polarized Luminescence
FAUSTI Mattia
- 09:45 578 Chiral Inorganic Nanohelices: from Circularly Polarized Luminescence to Chiral Induced Spin Selectivity
HUANG Zhifeng

Tuesday May 26

P06 Supramolecular chiral materials II

Chairperson(s): GIOVANELLA Umberto

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- 10:30 2159 Supramolecular Chiral Materials Enabling Chiral Photonics and Electronics
ZINNA Francesco (Invited)
- 11:00 1081 Dual-responsive optical switches using chiral materials
LAKHWANI Girish
- 11:15 2766 Length-controlled covalent stapling preserves supramolecular chirality in PDI helices and derived crystalline superstructures
MALESZKA Jarek
- 11:30 2920 Fuel-Driven Chiral Amplification in Aqueous Supramolecular Polymers
PAL Triza
- 11:45 2400 SERS-based label-free enantioselective discrimination of chiral molecules on Ag nanoparticles decorated Ni nanorod arrays
SINGH Jitendra

Tuesday May 26

P07 Chiral thin-film: properties and applications

Chairperson(s): DI BARI Lorenzo

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- 13:45 1269 Synthesis and Application of Chiral Bifacial indacenodithiophene-Based Semiconducting Materials
ISHIWARI Fumitaka (Invited)
- 14:15 2174 Hybrid Chiral Plasmonic Assemblies for Sensing
PAULY Matthias (Invited)
- 14:45 3160 Chiroptical Amplification Beyond Enantiopurity in Chiral Films
KARTOUZIAN Aras
- 15:00 1543 Chiral and Bifacial Truxene-Based Non-Fullerene Acceptors for Organic Photovoltaics
NAKAHARA Yuhi
- 15:15 1948 Controlling electron spin polarisation in polythiophenes for photocatalytic water splitting
SCHROEDER Bob
- 15:30 2442 Chirality Factories: Biogenerated Supramolecular Assembly of Helical Oligothiophene Nanofibers
MARANGI Fabio

Tuesday May 26

PP02 Poster session 2

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- 16:30 01_1051 Signatures of Thermal-driven Fermi surface Topology Evolution in Resistance Fluctuations Spectroscopy of Td-WTe₂
CHANDA Prajna Paromita
- 16:30 02_1118 Interplay between inorganic nano-structures and light for manipulation and detection
KWON Junyoung
- 16:30 03_1265 Enantiomeric excess can control circular dichroism and the effect of electrostatic embedding on 2D low dimensional hybrid perovskites
ALEHYANE Amina
- 16:30 04_2164 Circularly Polarized Electrochemiluminescence from chiral-at-ligand Pt(II) complexes
CAMPAGNA Francesca
- 16:30 05_2186 Spin-induced Photocurrent Responses of One-Dimensional Helical Perovskite Thin Films
SUZUKI Hikari
- 16:30 06_2399 Chiroptically Active Indium Sulfide Microflowers
MARTYN Joseph
- 16:30 08_3049 Atropisomeric Viologen: A Study on the Photophysical and Redox Behavior of Biquinolinium Compounds
KHANTONG Adisorn
- 16:30 09_3323 Morphologically Chiral Gold Nanoparticles for Enantioselective Sensing of Cysteine
ATIK Bahar

Wednesday May 27
P09 Chiral molecular materials
Chairperson(s): ZINNA Francesco

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- 08:30 2743 Study of Self-Recognition and Self-Discrimination of Chiral Homoleptic Complexes: Redox-Controlled Self-Assembly
BELLEMIN-LAPONNAZ Stéphane (Invited)
- 09:00 2448 Photoswitchable chirality transfer in bright lanthanides quadruple stranded helicate-cages
RANCAN Marzio
- 09:15 1582 Ab initio modeling of Circularly Polarized Luminescence and Magneto-Chiral Dichroism in lanthanide complexes
GASCOIN Mathieu
- 09:30 2899 Magneto-Chiral Dichroism: a Spectroscopic Tool for the Optical Readout of Magnetic States in Magnetic Materials
ATZORI Matteo (Invited)

Wednesday May 27
P10 Chiral composite materials
Chairperson(s): BELLEMIN-LAPONNAZ Stéphane

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- 10:30 2859 Efficient green energy production using chiral coating
PALTIEL Yossi (Invited)
- 11:15 1257 Chiral Imprinting on Inorganic Nanoparticles for Enantioselective Surface Recognition
TINELLO Susanna
- 11:30 1910 Liquid Crystal phase behavior and structural colors of cellulose nanocrystals doped with melanin nanoparticles
SANCHEZ LLORENS Jorge
- 11:45 2685 Responsive Photonic Structures: Microfabrication of Cellulose Nanocrystal Composites
MORRIS Aoife M.
- 12:00 2720 Ionically Modified Cellulose Nanocrystals Chiral Structures for Electronics and Photonics Applications
GASPAR Diana