

Poster Session, Tuesday, 03 December, 16:30 h (CET)

Seif Alwan	Spin-Polarized Transport and Chiral Spin Textures in the Chiral Inorganic Crystal CrNb_3S_6 : Insights into the CISS Effect
Jean-Philippe Ansermet	Dissipative Spin-orbit Coupling
Theo Balland	Effects of Chiral Polypeptides on Skyrmion Stability and Dynamics
Neeraj Bangruwa	CISS-Controlled DNA Biosensor
Mampi Biswas	Thiol-Functionalized Chiral Molecules: Structure-Property Relationships, Enantio-selective Surface Interactions, and CISS Effect
Lilach Brann	Non-classical Temperature Dependence of Chirality-Induced Magnetization and Its Implications for RNA's Homochirality
Arianna Cantarella	Photoinduced CISS in Organic Molecules: Ab Initio Parametrization of a Generalized Hubbard Model
Leonardo Celada	Many-Body Models for Chirality-Induced Spin Selectivity in Electron Transfer
Zinaida Charyshnikova	Magnetic Field Effects on Spin Polarization in Tight-binding Models
Namgee Cho	Three-dimensional Electron Model for Chirality-induced Spin Selectivity
Nicholas Davis	Current-driven Mechanical Motion of Double Stranded DNA Results in Structural Instabilities and Chiral-induced-spin-selectivity of Electron Transport

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Tejas Deshpande	Chiral Light-matter Interactions in Solution-processable Semiconductors
Sumit Ghosh	Chirality Induced Spin Selectivity from Charge Current
Niccolò Giaconi	Helicenes and Organic Radicals Monolayers on Gold: CISS Effect for Chiral Spintronics
Alexander Hagenow	Synthesis of Chiral Metallacrown Complexes and their Application as a Versatile Toolbox for the Investigation of Ciss-related Effects in Spintronics
Olav Hellwig	Microscopic and Macroscopic CISS Effect Characterization: Moving from MBE- to Sputter-Deposited Co/Au/Co Substrates
Dominik Hornig	CD Spectroscopy of Chiral Bismuth Oxide Nanoclusters and Their Use in Molecular Assemblies for Studies on the CISS Effect
Aras Kartouzian	Asymmetric Laser Desorption by Circularly Polarized Light
Aadi Konidena	Hubbard Interactions and the CISS Effect in Helical Molecules
Sarthak Kumar	Exploring Chiral-Induced Spin Selectivity (CISS) Effect: Unveiling Spin-Dependent Phenomena in Chiral Systems
Thibaut Lacroix	Comparison of Non-equilibrium Green Function and Wave Packet Methods for Simulating Spin-dependent Electron Transport
Xuan Liu	Chiral-related Interface Effects in Heterojunction Devices

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Offek Marely	Coherent Fluctuations in a Chiral Medium
Marc Mende	Synthesis of Chiral π -Conjugated Polymers for Optoelectronic Devices
Olga Mironova	Vanadyl-based Paddlewheels as Promising Molecular Qudits
Ashish Moharana	Vectorial Spin to Charge Conversion in Nanographenes
Paul Valerian Möllers	Probing the Roles of the Substrate, Temperature and Cooperative Effects in CISS
Oliver Monti	Surface Magnetic Stabilization and the Photoemission Chiral-induced Spin-selectivity Effect
Vladimiro Mujica	A Theoretical Model of the Connection Between Spin Polarization and Optical Activity in Chiral Molecules
Sumit Naskar	First-principles Approaches to Model Metal-chiral Molecule Interfaces to Understand the CISS Effect
Thi Ngoc Ha Nguyen	Influence of Molecular Electric Dipole Moment on Spin Polarization
Berith Pape	Putting a New Spin on Chiral Symmetry Breaking of Sodium Chlorate
Jonah Peter	The Chiral-Induced Spin Selectivity Effect of Light
Ulrich Pototschnig	First-principles Study of Chiral Spin Dynamics and Photoelectron Circular Dichroism

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Lokesh Rasabathina	Microscopic and Macroscopic CISS Effect Characterization: Moving from MBE- to Sputter-Deposited Co/Au/Co Substrates
Massimiliano Remigio	Chirality-Induced Spin Selectivity at Solid-Liquid Interfaces: A Route to Enantioenriched Surface Growth
Eva Rentschler	Chiral Metallocrown Complexes
Samuel Rudge	The Role of Quantum Vibronic Effects in the Spin Selectivity of Charge Transport through Chiral Molecular Junctions
Gaurav Sahu	Chirality-Induced Spin Selectivity at the Single-Molecule Scale
Franziska Schölzel	Establishing Circular Dichroism Spectroscopy as Predictor for CISS in Molecular Thin Films
Anil Kumar Singh	Dual-Functionality in Single-Molecule Junctions: Exploring Electron-Chirality Interactions for Chiral Spintronics
Julian Skolaut	Influence of the Substrate on the Spatial Variation of Conductive Properties of Self-Assembled Monolayers
Noah Smith	Characterization of Chiro-Optical Properties and the Chirality-Induced Spin Selective Effect in Liquid Crystalline Semiconducting Systems
Rudolf Smorka	Influence of Nonequilibrium Vibrational Dynamics on Spin Selectivity in Chiral Molecular Junctions
Simon Sochiera	Spin Hall Magnetoresistance as a Probe for Chiral-Induced Spin Selectivity

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Dominik Steinmetz	Efficient Implementation of the Berry Curvature in TURBOMOLE
Johannes Strauch	Towards First-Principles Electron—Phonon Coupling in Chiral Induced Spin Selectivity
Adrian Urban	Chirality-Dependent Electron Tunneling in the Small Molecule Limit
Martin van Horn	An Electronic Spin on Nuclear Dynamics Near Conical Intersections
Ofek Vardi	On the Origin of The Isotope Effects in Life
Roland Winkler	Categories of Chirality: Full Classification of Enantiomorphism
Nir Yuran	Chiral Molecular Coating of LiNiCoMnO_2 Cathode for High-Rate Capability Lithium-ion Batteries