



2025 Joint Conference Invited Symposia

21st-Century Permanent Magnets: How to Take it to the Next Level? A Panel/Audience Dialog

CÉSAR DE JULIÁN FERNÁNDEZ
GEORGE HADJIPANAYIS
YAROSLAV MUDRYK
ESTER PALMERO
JULIE STAUNTON
YUKIKO TAKAHASHI

Advanced Magnetic Materials & Manufacturing for Future Electric Motors and Power Electronics

ANTS KALLASTE
SATOSHI OKAMOTO
MASSIMO PASQUALE
AYMAN EL-REFAIE
PO-WEI HUANG

Advanced Materials and Devices for Energy Harvesting and Conversion

CRISTINA GOMEZ-POLO
HEIKE HERPER
PAUL OHODNICKI
HU ZHANG

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**Advanced Devices
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Cavity Magnonics and Non- reciprocal Spin Wave Propagation

GIANLUCA GUBBIOTTI
PEDRO LANDEROS
YING YANG

Fundamentals and Advances in 2D Spintronics

QIONG MA
STUART PARKIN
DANIEL RALPH
HYUNSOO YANG

Imaging Nanoscale Magnetization Dynamics and Spin Fluctuations

LISA DEBEER-SCHMITT
ROBERT HICKEN
CLAUS ROPERS

Magnetic Brain Stimulation and Imaging

RAVI HADIMANI
SAKHRAT KHIZROEV
SAMUEL OBERDICK
PADMAVATHI SUNDARAM
SACHIKO YAMAGUCHI-SEKINO

Magnetics for Future Transportation – from Memory to Motors

KUO-FENG HUANG
ANDY KNIGHT
MENGHUANG LAI
LAURA LEWIS
NOUREDDINE TAKORABET

New Challenges in Nanomagnetism from Topology to the Third Dimension

OLIVIER BOULLE
PETER FISCHER
SANDRA RUIZ GÓMEZ
FILIPP RYBAKOV
ANJAN SOUMYANARAYANAN

Novel Magnetic Tunnel Junction Mechanisms for Multifunctional Memories

SEVDENUR ARPACI
JAYASIMHA ATULASIMHA
MATTHEW DANIELS
YANG LV
DAMIEN QUERLIOZ

Spin Caloritronic Metrology

RYO IGUCHI
TIMO KUSCHEL
NIKOLA MAKSIMOVIC
HELENA REICHOVA
TOM SEIFERT

Spin-orbit Torques and Spin Dynamics in 2D Systems

SHUBHAYU CHATTERJEE
RAN CHENG
TALIEH GHIASI
KAI LITZIUS
XIAO-XIAO ZHANG

Topological Thermoelectrics: Utilizing Topology and Spin for Next-Generation Energy Conversion

CLAUDIA FELSER
MOHAMED NAWWA
SUSANNE STEMMER
MONA ZEBARJADI

Ultrafast Spin-phonon Dynamics

ANDREI KIRILYUK
ROBERTO MERLIN
ULRICH NOWAK
URS STAUB
HANYU ZHU

When Magnons Meet Quantum Spins

GREGORY FUCHS
ZHONGQIANG HU
YAROSLAV TSERKOVNYAK
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2025 IEEE Cleo Brunetti Award

GUOHAN HU
GWAN-HYEON KOH
DANIEL WORLEDGE

As of January 11, 2025



2025 Joint Conference Invited Speakers

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AHMET AVSAR
HÉLÈNE BÉA
RICCARDO BERTACCO
ALBERTO BOLLERO
FELIX CASANOVA
JEAN-YVES CHAULEAU
RICARDO FERREIRA
VICTORINO FRANCO
SHUNSUKE FUKAMI
RAVI GAUTAM
JIAHAO HAN
MELISSA HENDERSON
RAHUL JANGID

MINGYUAN JIANG
STAVROS KOMINEAS
JIEUN LEE
KANGHO LEE
CHUNHUA LIU
JUNWEI LIU
SARA MAJETICH
STEPHANE MANGIN
HIDETOSHI MASUDA
JEFF MCCORD
YUJI NAKAGAWA
TIANXIANG NAN
JOSEP NOGUÉS
YOSHICHIKA OTANI

MIGUEL ROMERA
SUJOY ROY
TOSHIRO SATO
KATRIN SCHULTHEISS
JAIRO SINOVA
CHENG SONG
JORDI SORT
XIN TANG
SERGIO VALENZUELA
SARAH WATZMAN
ANGELA WITTMANN
JIE ZHANG
YING ZHANG