



May 4-8
Montréal, Canada

Confirmed Invited Speakers

as of January 13, 2020

SYMPOSIA

Bench to Bedside Transition of Biomagnetic Research: How Close Are We?

JOSEBA ALONSO

Spanish National Research Council (CSIC) and Polytechnic University of Valencia (UPV)

RICCARDO BERTACCO

Politecnico di Milano

RAVI HADIMANI

Virginia Commonwealth University

LALEH GOLESTANIRAD

Northwestern University

MONTSERRAT RIVAS

Universidad de Oviedo

FRANÇOIS BERGER

Grenoble Alpes University

Electrical Machines and Drives 2020 and Beyond

YACINE AMARA

GREAH, University of Le Havre

MIN-FU HSIEH

National Cheng Kung University

SMAIL MEZANI

Université de Lorraine

JONATHAN BIRD

University of North Carolina

FRÉDÉRIC MAZALEYRAT

Université Paris-Saclay

PARAG UPADHYAY

ABB Inc.

Magnetic Nanoparticles for Biomedical Diagnostics and Imaging: Recent Advances and Perspectives

DANIEL BAUMGARTEN

UMIT

THIBAUT DEVILLERS

Institut Néel CNRS

JONATHAN LELIAERT

Ghent University

REGINA BLEUL

Fraunhofer-Institut

SOLOMON DIAMOND

Lodestone Biomedical

DANIEL ORTEGA PONCE

IMDEA Nanociencia

Novel Approaches to the Excitation and Control of Nano-Scale Propagating Spin Waves

ANDRII CHUMAK

University of Vienna

HIMANSHU FULARA

University of Gothenburg

SEBASTIAN WINTZ

Paul Scherrer Institut

VLADISLAV DEMIDOV

University of Muenster

SEBASTIAAN VAN DIJKEN

Aalto University

LIUYAN ZHAO

University of Michigan, Ann Arbor

Soft Magnetic Materials and Components for Emerging Power Conversion Applications

VINCENT HARRIS

Northeastern University

MICHAEL MCHENRY

Carnegie Mellon University

PAUL OHODNICKI

University of Pittsburgh

MOTOKI OHTA

Hitachi Metals, Ltd.



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Spintronics-Based Neuromorphic Computing

SHUNSUKE FUKAMI
Tohoku University

DANIJELA MARKOVIC
CNRS/Thales

KAUSHIK ROY
Purdue University

ARINDAM MALLIK
imec

S.N. PIRAMANAYAGAM
Nanyang Technological University

MEHDI TAHOORI
Karlsruhe Institute of Technology

Thermal Effects in Antiferromagnetic Spintronics: From Actual Thermoelectric Effects to Thermally-Induced Magnetoelastic Artifacts

ANAND BHATTACHARYA
Argonne National Laboratory

WANXIANG FENG
Beijing Institute of Technology

LUQIAO LIU
Massachusetts Institute of Technology

C. L. CHIEN
Johns Hopkins University

GREGORY D. FUCHS
Cornell University

HELENA REICHOVA
Technische Universität Dresden

Three-Dimensional Magnetism in Curved Geometries

DORA ALTBIR
Universidad de Santiago de Chile

VOLODYMYR KRAVCHUK
Karlsruher Institut für Technologie

OLEG TRETIAKOV
UNSW

OLEKSANDR DOBROVOLSKIY
University of Vienna

CHARUDATTA PHATAK
Argonne National Laboratory

PENG YAN
University of Electronic Science and Technology of China

INVITED SPEAKERS

LUIS AVILES FELIX
CEA

MINJIE CHEN
Princeton University

PETER FISCHER
Lawrence Berkeley National Laboratory

IGOR BARSUKOV
University of California, Riverside

EVGUENI CHULKOV
Basque Country University

RODOLFO GALLARDO
Universidad Técnica Federico Santa María

MATHIAS BERSWEILER
Université du Luxembourg

LESLEY COHEN
Imperial College London

MASSIMO GHIDINI
Università di Parma

LUCAS CARETTA
University of California, Berkeley

JUN CUI
Iowa State University

JON GORCHON
Université de Lorraine

HUA CHEN
Colorado State University

HAIFENG DING
Nanjing University

JOACHIM GRÄFE
Max Planck Institute for Intelligent Systems

JINGSHENG CHEN
National University of Singapore

SATORU EMORI
Virginia Tech University

GIOVANNI FINOCCHIO
University of Messina



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XIUFENG HAN

Institute of Physics, Chinese Academy
of Sciences

TAKASHI HASEGAWA

Akita University

LAURA HEYDERMAN

ETH Zurich - Paul Scherrer Institute

YIMING HUAI

Avalanche Technology

MICHELLE JAMER

United States Naval Academy

WANJUN JIANG

Tsinghua University

OLGA KAZAKOVA

National Physical Laboratory

SE KWON KIM

University of Missouri

JUNE LAU

NIST

VALERIA LAUTER

ORNL

LIAN LI

West Virginia University

JIAN LIU

University of Tennessee

SARA MAJETICH

Carnegie Mellon University

ROSTISLAV MIKHAYLOVSKIY

Lancaster University

SERGEY NIKITOV

IRE RAS

KATHARINA OLLEFS

University Duisburg-Essen

ECKHARD QUANDT

Christian-Albrechts-Universität

ERIC RODDICK

Western Digital

AURELIE SPIESSER

National Institute of Advanced
Industrial Science and Technology
(AIST)

YUKIKO TAKAHASHI

NIMS

FELIPE TORRES

Universidad de Chile

LAURENT VILA

Université Grenoble Alpes

OLEKSII VOLKOV

Helmholtz-Zentrum Dresden-
Rossendorf E.V.

YIPU WANG

University of Manitoba

SHIN YABUKAMI

Tohoku University

GARY ZABOW

NIST

JOSEPH ZADROZNY

Colorado State University