MAX-PLANCK-INSTITUT
FÜR MIKROSTRUKTURPHYSIK

WORKSHOP ON

TRANSFORMATIONAL MATERIALS III

Addressing the future needs of computing and energy will require radical advances in materials. This workshop will explore the latest theoretical advances in understanding and predicting novel phenomena, such as effects that exhibit extraordinary quantum, electronic, magnetic, optical, topological, or emergent properties, that can lead to transformational materials for computing and energy.

PROGRAM

10:00 am Introduction

10:10 am Prof. Binghai Yan
Weizmann Institute of Science, Israel
Chirality, topology, and spin in DNA-like chiral materials

11:10 am Dr. Maia G. Vergniory
MPI for the Chemical Physics of Solids, Dresden, Germany
Topological materials for future technologies

12:10 am Lunch Break

01:10 pm Prof. Sebastian Huber
ETH Zurich, Switzerland
From topology to applications with mechanical metamaterials

MARCH 23, 2022
10:00 AM - 2:10 PM
ONLINE