Monday, September 3

09:20 – 09:50 Registration & Poster session preparation

09:50 – 10:00 Sergej Flach, PCS IBS
Opening address

10:00 – 10:45 Giuseppe Luca Celardo, Merit. Aut. Univ. of Puebla, Mexico
Localization of light in subradiant Dicke states: a mobility edge in the imaginary axis

10:45 – 11:15 Rafael Molina, Institute of the Structure of Matter, Spain
Generalized fluctuation relations

11:15 – 12:00 Felix Izrailev, Meritorious Auton. Univ. of Puebla, Mexico
Thermalization and scrambling in the Fock space of chaotic many-body systems

12:00 – 13:00 Lunch

13:45 – 14:30 Alberto Rodriguez, University of Freiburg, Germany
Many-body multifractality throughout the superfluid to Mott insulator bosonic phase transition

14:30 – 15:15 Hyun-Jung Lee, Seoul Science High School, Korea
Hartree-Fock study of the Anderson metal-insulator transition in the presence of Coulomb interaction: Two types of mobility edges and their multifractal scaling exponents

15:15 – 15:45 Coffee break

15:45 – 16:30 Daniel Leykam, PCS IBS
Disorder-robust coupled resonator waveguides with pseudospin-momentum locking

16:30 – 17:15 Michael Hilke, McGill University, Canada
(Quantum) machine learning applied to disordered systems

17:15 – 18:00 Kun Woo Kim, PCS IBS
Floquet topological semimetal with nodal helix

18:00 – 20:00 Welcome reception

Tuesday, September 4

09:30 – 10:15 Fausto Borgonovi, Catholic Univ. of the Sacred Heart, Italy
Emergence of correlations in the process of thermalization of interacting bosons

10:15 – 10:45 Coffee break

10:45 – 11:15 Jonathan Torres, Merit. Aut. Univ. of Puebla, Mexico
Time evolution of disordered interacting quantum systems

11:15 – 12:00 Myung-Hwa Jung, Sogang University, Korea
Rare-earth doped magnetic topological insulators

12:00 – 13:00 Lunch

13:45 – 14:00 Workshop picture

14:00 – 14:45 Mikhail Raikh, University of Utah, USA
Dynamics of the noise-driven Landau-Zener transitions

14:45 – 15:15 Coffee break

15:15 – 17:00 Poster session

17:00 – 18:00 Ulrich Kuhl, University of Nice Sophia Antipolis, France
Colloquium *Investigating topological structures by microwave experiments with coupled dielectric resonators*

18:00 – 20:00 Colloquium dinner

Wednesday, September 5

09:30 – 10:15 Dragana Popovic, National High Magnetic Field Lab., USA

Hidden order of Cooper pairs in striped cuprates at high magnetic fields

10:15 – 10:45 Coffee break

10:45 – 11:15 Keith Slevin, Osaka University, Japan

Critical exponent of the Anderson transition using massively parallel supercomputing

11:15 – 12:00 Bhupesh Kumar, Bar-Ilan University, Israel

Control of light in scattering media by gain and loss

12:00 – 13:00 Lunch

13:00 – 19:00 Excursion

Gapsa (갑사) temple area
Gongsanseong (공산성) fortress area
Gongju (공주) museum
Gongju (공주) traditional hanok village

19:00 – 21:00 Workshop banquet

Thursday, September 6

09:30 – 10:15 Horacio Pastawski, National Univ. of Córdoba, Argentina
Information scrambling, quantum chaos, and intrinsic decoherence in many spin systems: a new experimental approach through the Loschmidt echo

10:15 – 10:45 Coffee break

10:45 – 11:15 Katsushi Hashimoto, Tohoku University, Japan
Scanning gate imaging of quantum-Hall electronic, spin, and nuclear spin states

11:15 – 12:00 Sergey Skipetrov, CNRS Grenoble, France
Anderson localization of vector waves

12:00 – 13:00 Lunch

13:45 – 14:30 Nykolay Makarov, Merit. Auton. Univ. of Puebla, Mexico
Reflection in non-Hermitian optical systems vs symmetries of transfer matrix

14:30 – 15:15 Luca Tessieri, Universidad Michoacana de SNH, Mexico
Localisation and transport in two-dimensional random models with separable Hamiltonians

15:15 – 15:45 Coffee break

15:45 – 16:15 Ferenc Iglói, Wigner Res. Centre for Physics, HAS, Hungary
Strong disorder RG approach - recent developments

16:15 – 17:00 Philippe Jacquod, University of Arizona, USA
Global robustness and local vulnerabilities in complex electric power grids and coupled oscillator systems

17:00 – 17:45 Carlo Danieli, PCS IBS
Dynamical glass

17:50 – 18:50 Dinner

Friday, September 7

09:30 – 10:15 Gil Young Cho, POSTECH, Korea
Non-Fermi liquids from Luttinger liquid and SYK islands

10:15 – 10:45 Coffee break

10:45 – 11:15 Edoardo Carnio, A.L. University of Freiburg, Germany
Resolution of the exponent puzzle for the Anderson transition in doped semiconductors

11:15 – 12:00 Leticia Cugliandolo, Sorbonne University, France
Dynamics of isolated classical disordered many-body systems

12:00 – 13:00 Lunch

13:45 – 14:30 Cristine Villagonzalo, Univ. of the Philipp. Diliman, Philippines
Quantum size effect in phonon thermal transport in graphene

14:30 – 15:15 Kyoungmin Kim, POSTECH, Korea
Role of disorder in the nematic quantum criticality

15:15 – 15:45 Coffee break & Poster removal

15:45 – 16:15 Lea Santos, Yeshiva University, USA
Thouless and relaxation time scales in many-body quantum systems

16:15 – 16:30 Closing remarks