# Workshop Program: Poster Presentations

### 1. Pablo Bayona Pena (Kyoto University) - Topological Entanglement Spectrum Crossings as a Probe of non-Hermitian Bulk-Boundary Correspondence

### 2. Kohei Hattori (Univ. Tokyo) - Nonlinear Hall effect driven by spin-charge-coupled motive force

### 3. Hung-Hsuan Teh (ISSP, Univ. Tokyo) - Inverse Spin Hall Effect in Nonequilibrium Dirac Systems Induced by Anomalous Flow Imbalance

### 4. Kotaro Tanaka (Univ. Tokyo) - Nonlocal light-matter interaction in a s-wave superconductor NbN with using terahertz vortex beam

### 5. Hiroaki Fujikawa (ISSP, Univ. Tokyo) - Challenge of utilizing shift current in the solar cell candidate CsGeI3

### 6. Ryosuke Yamashita (Univ. Tokyo) - iTEBD simulation of nonlinear optical effects in multiferroic magnets

### 7. Daemo Kang (Univ. Tokyo) - Angular Momentum Transfer induced by an Optical Vortex Beam in a Superconductor

### 8. Kosuke Tazuke (Univ. Tokyo) - Microscopic theory of the inverse Faraday effect in a multiorbital model

### 9. Yuya Ominato (Waseda Institute for Advanced Study) - Theory of Photocurrent and High-Harmonic Generation in Chiral Semimetals

### 10. Keisuke Kitayama (RIKEN) - Nonperturbative effects in second harmonic generation

### 11. Hikaru Goto (Tokyo University of Science) - Cavity-induced quantum Hall phases in a kagome system

### 12. Sumal Chandra (Tokyo University of Science) - Photoinduced Optical Conductivity in Hole-doped Hubbard Ladder Systems

### 13. Shinichi Watanabe (Keio University) - Visualization of magnon and phonon propagation and their coupling in a magnetic thin film sample

### 14. Kazuma Ogawa (Univ. Tokyo) - All-optical switching of magnetization in ferromagnetic Weyl semimetal Co3Sn2S2 using circularly polarized light pulses

### 15. Taisei Tomiyasu (Univ. Tokyo) - Study of photoexcited high-Tc cuprate superconductor La2-xSrxCuO4 probed by in-plane terahertz conductivity

### 16. Riku Shibata (Keio University) - Development of asynchronous optical sampling using a regenerative amplifier as the excitation source

### 17. Kohsuke Ataka (Keio University) - Growth and Characterization of Uniformity in antiferromagnet Sm0.7Er0.3FeO3 single crystal

### 18. Hogara Watanabe (Chiba Univ.) - Theory of THz-laser driven spin pumping in antiferromagnets

### 19. Fumiya Sekiguchi (Univ. of Tokyo) - Bistability emergent in the dynamics of a periodically-driven particle trapped in a short-range potential

### 20. Shun Okumura (Univ. Tokyo) - Emergence of Floquet-Weyl points in three-dimensional Dirac semimetals via two distinct mechanisms

### 21. Yedija Yusua Sibuea Teweng (Kanazawa Univ.) - First-principles calculation of shift photocurrent in Janus monolayer WSSe

### 22. Takeshi Hasebe (Chiba Univ.) - Ultrafast control of quantum states with chirped laser pulse: Floquet engineering by wave-shape manipulation

### 23. Yuta Takahashi (Keio Univ.) - Dynamic modulation of exciton emission properties in monolayer WSe₂ on surface acoustic wave devices

### 24. Nakamoto Taiga (Univ. Tokyo) - Virtual photons and vacuum Rabi splitting in the extended Hubbard model coupled with an optical cavity

### 25. Akihiro Ozawa (ISSP, Univ. Tokyo) - Theoretical study of light-induced spin and current responses in lattice Dirac systems