

## Postersession 1 – Wed. 06/10 17:30

**A01** – Electronic structure and robustness of momentum-indirect interlayer excitons in MoS<sub>2</sub>/WSe<sub>2</sub> heterostructures

**A01** – Metal-insulator transition in monolayer MoS<sub>2</sub> via contactless chemical doping

**A02** – Growth and characterisation of materials sensing strong spin-orbit coupling

**A04** – Transport in Quantum Anomalous Hall Insulator / Superconductor Devices

**B01** – Spin-polarized surface state transport in gate-tunable Topological Insulators

**B02** – Sub-phonon spectroscopy of magnetoelectric materials

**B03** – RIXS on the cluster Mott insulator GaTa<sub>4</sub>Se<sub>8</sub> and on the proximate Kitaev spin liquid Na<sub>2</sub>IrO<sub>3</sub>

**B04** – Magnetic order and excitations in Ruddlesden-Popper ruthenates

**B05** – THz Driven Nonlinear Dynamics in Quantum Materials

**B06** – Electronic structure and charge density wave order in monolayer NbS<sub>2</sub>

**C01** – Engineering spin-orbital texture and Berry curvature by depositing Europium atoms on a WSe<sub>2</sub> monolayer

**C02** – Universal principles of moiré bands

**C03** – Correlated multi-orbital models from the weak- and strong-coupling perspectives

**C03** – Cavity induced quantum spin liquids

**C04** – Fractional Charges in 2D magnets

**C05** – Many-body self-organization in dissipative cavities

**AG Wickleder** – OsCl<sub>(3-x)</sub> — synthesis and chemical transport

## Postersession 2 – Thu. 07/10 17:30

- A01** – Tailoring the magnetic anisotropy of SrRuO<sub>3</sub> layers by epitaxial interfacing with LaNiO<sub>3</sub>
- A02** – Cluster Mott insulators - Quantum magnets & Dynamic magnetoelectric
- A04** – Nonlinear Transport in Topological Semimetal ZrTe<sub>5</sub>
- B01** – Thermal and electric Hall effect of BiSbTeSe<sub>2</sub> and SrRuO<sub>3</sub>
- B01** – Superconducting Proximity Effect in Topological Insulator devices
- B02** – Quadrochroism in Ni<sub>3</sub>TeO<sub>6</sub> and spin-orbit excitons in spin-orbit entangled Mott insulators
- B03** – Chiral excitations in  $\alpha$ -RuCl<sub>3</sub>
- B04** – Polarized and unpolarised neutron scattering studies on frustrated magnets
- B05** – Nonequilibrium states in the spin liquid candidate  $\alpha$ -RuCl<sub>3</sub> and TMDC heterostructures
- B06** – STM study of superconductivity in Sr doped Bi<sub>2</sub>Se<sub>3</sub>
- C01** – Tuned electronic properties of CrI<sub>3</sub> on Ir(111) by molecules and alkali atoms from DFT
- C02** – Exotic transport phenomena in the nodal line semimetal ZrTe<sub>5</sub>
- C03** – Topological superconductivity for spin-polarized fermions on the triangular lattice
- C04** – Non-reciprocal criticality
- C05** – Bound Pairs Scattering off a Floquet Driven Impurity