



# ANSTO User Meeting 2021

## Wednesday, 24 November 2021

### Advanced Materials (11:00 - 12:50)

| time  | [id] title                                                                                                                                                          | presenter          |
|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| 11:00 | [24] Structural studies of solid-state ionic conductors at the limits of diffraction and beyond                                                                     | LING, Chris        |
| 11:20 | [94] Magnetoelastic coupling as a relaxation pathway for single ion magnets observed using inelastic neutron scattering.                                            | MOLE, Richard      |
| 11:35 | [36] Total scattering: science that's better than average                                                                                                           | MARLTON, Frederick |
| 11:50 | [49] Single-Crystal-to-Single-Crystal Transformations of Metal–Organic–Framework–Supported, Site-Isolated Trigonal-Planar Cu(I) Complexes with Labile Ligands       | PERALTA, Ricardo   |
| 12:05 | [168] Deuteration of Rec1-Resilin and its hydrogel for biomedical applications                                                                                      | WANASINGHA, Nisal  |
| 12:20 | [137] Interfacial spin-structures in Pt/Tb <sub>3</sub> Fe <sub>5</sub> O <sub>12</sub> bilayer films on Gd <sub>3</sub> Ga <sub>5</sub> O <sub>12</sub> substrates | Ms YADAV, Roshni   |
| 12:35 | [155] Operando investigation of a lead-acid battery with the IMBL.                                                                                                  | Mr STONE, Chad     |

### Advanced Materials (14:00 - 15:00)

| time  | [id] title                                                                 | presenter            |
|-------|----------------------------------------------------------------------------|----------------------|
| 14:00 | [65] In-situ X-ray diffraction for hydrogen sorption study of Mg-La alloys | KIM, Manjin          |
| 14:15 | [156] Natural ageing behaviour in Al-Cu alloys containing Sc and Zr        | JIANG, Lu            |
| 14:30 | [50] Magnetic Nanochain Formation Studied by Small-Angle Scattering        | Dr BARNESLEY, Lester |

# Thursday, 25 November 2021

## Advanced Materials (10:45 - 12:20)

| time  | [id] title                                                                                                                                    | presenter         |
|-------|-----------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| 10:45 | [228] Delivery of antimicrobials to bacteria by cubosome nanocarriers                                                                         | CONN, Charlotte   |
| 11:05 | [147] Chemical expansion and proton conductivity in vanadium-substituted variants of $\gamma$ -Ba <sub>4</sub> Nb <sub>2</sub> O <sub>9</sub> | Mr BROWN, Alex    |
| 11:20 | [8] Shape of nanopores in track-etched polycarbonate membranes                                                                                | DUTT, Shankar     |
| 11:35 | [185] Application of Inelastic Neutron Scattering for Thermoelectric Materials Study                                                          | YU, Dehong        |
| 11:50 | [44] Origin of vertical slab orientation in blade-coated layered hybrid perovskite films revealed with in-situ synchrotron X-ray scattering   | Mr TAN, Wen Liang |