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# 23rd International Workshop on Computational Physics and Materials Science: Total Energy and Force Methods | (smr 4335)

# Friday 15 January 2027

## 6. Materials Design and Discovery - Budinich Lecture Hall (LB) (09:00-12:20)

| time | title | presenter |
|---|---|---|
| 09:00 | Charge Localization and Collective Dynamics in Complex Semiconductors | JULIA WIKTOR |
| 09:30 | First-principles modelling of real-world superconductors | LILIA BOERI |
| 10:00 | Designing superconducting interfaces: proximity interaction and quantum transport | ZEILA ZANOLLI |
| 10:30 | Coffee break | |
| 11:00 | Non-reciprocity in multiferroics | SILVIA PICOZZI |
| 11:30 | Machine-learning assisted multiscale approach for predicting structure and properties of disordered systems | CLAUDIA DRAXL |
| 12:00 | Closing remarks | RALPH GEBAUER |