

Symposium Ferroic materials and novel functionalities (SYNF)

jointly organized by
 Magnetism Division (MA),
 Surface Science Division (O),
 Metal and Material Physics Division (MM),
 Dielectric Solids Division (DF),
 Thin Films Division (DS),
 Semiconductor Physics Division (HL), and
 Low Temperature Physics Division (TT)

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Overview of Invited Talks and Sessions

(lecture room A 151; Poster F)

Invited Talks

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|----------|-----|-------------|-------|--|
| SYNF 2.1 | Tue | 14:30–15:00 | A 151 | Tunable two-dimensional electron gases in correlated electronic systems — •J. MANNHART, G. HAMMERL, T. KOPP, C. RICHTER, C.W. SCHNEIDER, S. THIEL, N. REYREN, A.D. CAVIGLIA, S. GARIGLIO, D. JACCARD, J.-M. TRISCONE, L. FITTING-KOURKOUTIS, D. MULLER, C. CHENG, J. LEVY |
| SYNF 2.2 | Tue | 15:00–15:30 | A 151 | New physics from electron correlations at oxide interfaces — •WARREN E. PICKETT, ROSSITZA PENTCHEVA |
| SYNF 2.3 | Tue | 15:30–16:00 | A 151 | Gigantic magnetoelectric responses in hellimagnets — •Y. TOKURA |
| SYNF 2.4 | Tue | 16:00–16:30 | A 151 | Electrical field control of ferromagnets using multiferroics — •RAMAMOORTHY RAMESH |
| SYNF 2.5 | Tue | 16:30–17:00 | A 151 | Spintronics with multiferroic materials — •AGNES BARTHELEMY |
| SYNF 2.6 | Tue | 17:00–17:30 | A 151 | Magnetoelectric effects at multiferroic interfaces — •EVGENY TSYMBAL |

Sessions

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|---------------|-----|-------------|----------|---|
| SYNF 1.1–1.11 | Tue | 10:30–13:15 | A 151 | Ferroic materials and novel functionalities I |
| SYNF 2.1–2.6 | Tue | 14:30–17:30 | A 151 | Ferroic materials and novel functionalities II |
| SYNF 3.1–3.3 | Tue | 18:30–19:30 | Poster F | Ferroic materials and novel functionalities III - Poster (joined by O posters) |