

## Symposium Caloric Effects in Ferroic Materials (SYCE)

jointly organized by  
the Metal and Material Physics Division (MM),  
the Magnetism Division (MA), and  
the Dielectric Solids Division (DF)

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## Overview of Invited Talks and Sessions

(Lecture room H1)

### Invited Talks

SYCE 1.1	Mon	15:00–15:30	H1	<b>Multicaloric effects in metamagnetic Heusler materials</b> — ●ANTONI PLANES
SYCE 1.2	Mon	15:30–16:00	H1	<b>Multicaloric effect in biological systems: a case of nerve action</b> — ●MATJAZ VALANT, LAWRENCE J. DUNNE, ANNA-KARIN AXELSSON, FLORIAN LE GOUPIL, GEORGE MANOS
SYCE 1.3	Mon	16:00–16:30	H1	<b>Optimizing the electrocaloric effect by first-principles simulations: The role of strain and defects</b> — ●ANNA GRÜNEBOHM
SYCE 1.4	Mon	16:45–17:15	H1	<b>Giant inverse barocaloric effects in ferroelectric ammonium sulphate</b> — POL LLOVERAS, ENRIC STERN-TAULATS, MARIA BARRIO, JOSEP LLUIS TAMARIT, SAM CROSSLEY, WEI LI, VLADIMIR POMJAKUSHIN, ANTONI PLANES, LLUIS MAÑOSA, NEIL MATHUR, ●XAVIER MOYA
SYCE 1.5	Mon	17:15–17:45	H1	<b>TiNiCu-based thin films for elastocaloric cooling</b> — ●ECKHARD QUANDT, CHRISTOPH CHLUBA

### Sessions

SYCE 1.1–1.5	Mon	15:00–17:45	H1	<b>Caloric effects in ferroic materials</b>
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