

TEXTURE AND ANISOTROPY SYMPOSIUM

DGM – SF2M

Friday 10 April 2026 at Delft University of Technology

Building: Aula (Building number 20)

Room: Commissiekamer 3 (2nd floor)

9:00 – 9:30 Welcome Coffee

Session 1

9:30 – 9:50 *Werner Skrotzki (TU Dresden)*

Information on grain boundary sliding in nanoplasticity inferred from texture analysis

9:50 – 10:10 *Yudong Zhang (Université de Lorraine)*

Unusual work hardening from interaction between partial dislocations and $L1_2$ domains in a low-SFE MEA

10:10 – 10:30 *Nowfal AL-Hamdany (Helmholtz Zentrum Hereon)*

Texture Evolution in the Fusion Zone of Laser Beam Welded Metals

10:30 – 10:50 *Jiayu Li (UGent)*

Optimising ductility of medium-Mn Q&P Steel through heterogeneous microstructural control

11:50 – 11:15 Coffee Break

Session 2

11:15 – 11:35 *Mahbod Golrang (KU Leuven)*

Texture and thermal stability of rolled TiNbTa sheets exhibiting negative thermal expansion

11:35 – 11:55 *Timo Brederode (TU Delft)*

The Effect of Impurities on Austenite Recrystallization and Recovery

11:55 – 12:15 *Flor Granda Arce (UGent)*

In-situ recrystallisation of cold rolled commercially pure aluminium

12:15 – 13:30 Lunch Break

Session 3

- 13:30 – 13:50 *Dennis Solas (Université Paris-Saclay)*
From Texture Formation to Mechanical Anisotropy in Additive Manufacturing
- 13:50 – 14:10 *Tuan Nguyen Minh (UGent)*
Spherical indexing vs Hough Indexing in Orientation contrast Microscopy
- 14:10 – 14:30 *Gowtham Nimmal Haribabu (TU Delft)*
TextureFlow: Learning Crystallographic Texture via Normalizing Flow
- 14:30 – 15:00 Coffee Break

Session 4

- 15:00 – 15:20 *Emile Verhoestraete (KU Leuven)*
Evolution of macroscopic thermal expansion anisotropy in α Ti-Nb alloys deformed by uniaxial compression, studied by EBSD
- 15:20 – 15:40 *Radhey Bachhav (TU Delft)*
Influence of crystallographic orientations on Wüstite nucleation in Fe1Mn alloy
- 15:40 – 16:00 *Leo Kestens (UGent/TU Delft)*
Static vs Dynamic Recovery in low-carbon steel
- 16:00 Closing of the symposium