ETH zürich

ScopeM

ScopeM topical day

EBSD pattern indexing and data processing

Date: **Friday, 26th April 2024**
Room: **HCP E47.2**

13:30 – 13:50 **Karsten Kunze (ScopeM)**
Welcome & introduction: EBSD indexing by Hough transform and beyond

13:50 – 14:30 **Rene de Kloe (Ametek/EDAX-Gatan)**
Exploring new analysis possibilities with EBSD using spherical indexing

14:40 – 15:00 **Claire Griesbach (IMM, D-MAVT)**
Spherical indexing using EMSphInx

15:00 – 15:15 Break

15:15 – 15:35 **Indranil Basu (LMPT, D-MATL)**
EBSD for correlative microscopy techniques

15:35 – 15:55 **Luiz Morales (ScopeM & IG, D-ERDW)**
EBSD data post-processing with MTEX toolbox for Matlab

15:55 – 16:00 **Karsten Kunze (ScopeM)**
Concluding remarks

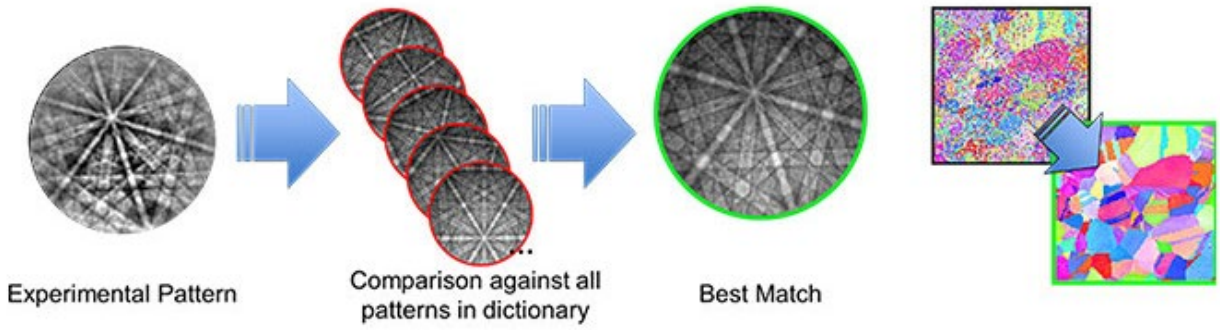

Figure: Schematic of spherical indexing procedure where experimental EBSD patterns are projected onto a sphere to match against a simulated master pattern to improve indexing performance (*www.edax.com/products/ebsd/oim-matrix*).

Further information:
https://www.edax.com/resources/application-notes/spherical-indexing
https://github.com/EMsoft-org/EMSphInx
https://github.com/mtex-toolbox/mtex

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