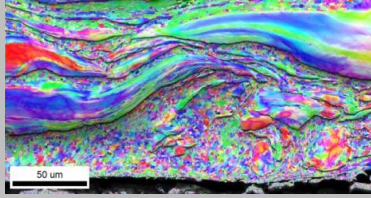


Program of the TEXMAT-CZM Texture School

17. September 2018
Basics of
crystallographic textures

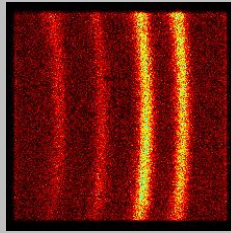


09:00 - 09:10	Welcome address
09:10 – 10:10	Lecture: Introduction in crystallographic textures.
10:10 – 11:00	Lecture: How to present crystallographic textures? a) Definition of the pole figure –PDF- (type of projection, pole figure window, pole figure statistics, number of pole figures, normalisation of pole figures, RP-values ...).
11:00 - 11:15	Coffee break- Pause
11:15– 12:00	Lecture: How to present crystallographic textures? b) Definition of the inverse pole figure –IPF- (type of inverse pole, pole figure statistics, number of inverse pole figures, relation between PDF and IPF).
12:00 - 14:00	Lunch break - Pause
14:00 – 15:00	Lecture: How to present crystallographic textures? c) Definition of the Orientation Distribution (orientation distribution function, ODF sections, ODF skeleton lines, ODF-fibers).
15:00 - 15:30	Coffee break- Pause
15:30 – 17:30	Practical: Open discussion with some examples, in which areas crystallographic textures are needed? - Discussion group in English - Diskussionsgruppe in Deutsch

Program of the TEXMAT-CZM Texture School

18. September 2018

How to measure
crystallographic textures

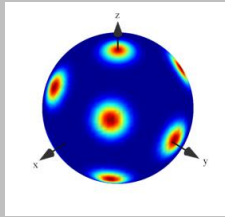


09:00 – 09:45	Lecture: Measurement of crystallographic textures. a) Pole figure measurements by laboratory X-rays until output data.
09:45– 10:30	Lecture: Measurement of crystallographic textures. b) EBSD measurement.
10:30 - 11:00	Coffee break- Pause
11:00 – 11:45	Lecture: Measurement of crystallographic textures. c) Pole figure measurement by neutrons until output data.
11:45– 12:30	Lecture: Measurement of crystallographic textures. d) Pole figure measurement by synchrotron until output data.
12:30 - 14:00	Lunch break - Pause
14:00 – 15:15	Practical: Open discussion with some examples, how to define, which method shall be used? - Discussion group in English - Diskussionsgruppe in Deutsch
15:15 - 15:30	Coffee break- Pause
15:30 – 17:30	Practical: Extraction and handling of pole figure data. Sabo → Pole figure → output for ODF STECA → Pole figure → output for ODF two groups (English/Deutsch)

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19. September 2018

Interpretation of pole figure
and inverse pole figure

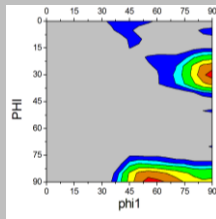


09:00 – 10:45	<p>Practical: Extraction and handling of pole figure data.</p> <p>Sabo → Pole figure → output for ODF STECA → Pole figure → output for ODF</p> <p>two groups (English/Deutsch)</p>
10:45- 11:00	Coffee break - Pause
11:00 – 11:30	<p>Lecture: Basic information of pole figure (pole figure symmetry, symmetry equivalent information, errors in pole figures).</p>
11:30 – 12:00	<p>Lecture: Ideal components, ideal fibers, partial fibers in pole figures.</p>
12:00 -14:00	Lunch break - Pause
14:00 – 17:00	<p>Practical: Open discussion with some examples, description of texture components in pole figures, how to see errors and how to prevent errors?</p> <ul style="list-style-type: none"> - Discussion group in English - Diskussionsgruppe in Deutsch
15:00-15:15	Coffee break- Pause
14:00 -17:00	<p>Practical: Open discussion with some examples, description of texture components in pole figures, how to see errors and how to prevent errors?</p> <ul style="list-style-type: none"> - Discussion group in English - Diskussionsgruppe in Deutsch
19:30 -	Social evening

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20. September 2018

Interpretation of the orientation distribution



09:00 – 9:45	Lecture: Introduction in the orientation distribution function (ODF).
09:30 – 10:45	<p>Practical: Going from extracted pole figure or from measured ODF values (EBSD) to the calculation of an orientation distribution, including result discussion.</p> <p>MTEX from pole figures CLZ-ODF MTEX from EBSD data</p> <p>three groups /(English/Deutsch)</p>
10:45 - 11:00	Coffee break
11:00 – 12:15	<p>Practical: Going from extracted pole figure or from measured ODF values (EBSD) to the calculation of an orientation distribution, including result discussion.</p> <p>MTEX from pole figures CLZ-ODF MTEX from EBSD data</p> <p>three groups /(English/Deutsch)</p>
12:15 - 13:15	Lunch break
13:15 – 14:30	<p>Practical: Going from extracted pole figure or from measured ODF values (EBSD) to the calculation of an orientation distribution, including result discussion.</p> <p>MTEX from pole figures CLZ-ODF MTEX from EBSD data</p> <p>three groups /(English/Deutsch)</p>
14:30	Final Remarks