

MS-11. Amorphous and disordered materials, liquid crystals, quasicrystals

8 September, 17:00 - 19:00 / 9 September, 16:30 - 18:30

MS-11-P-1776

In situ TEM observation of Crystal-to-Amorphous-to-Crystal (C-A-C) transition in Cr₂Ti

Presenting author: **Nagase T.**

Authors: Nagase T., Anada S., Yasuda H., Mori H.

MS-11-P-1835

Investigations of amorphous Polymer-Derived Ceramics by Pair Distribution Function obtained from Electron Diffraction in TEM

Presenting author: **Hapis S.**

Authors: Hapis S., Kleebe H. J., Rohrer J., Riedel R., Mu X., Van Aken P. A.

MS-11-P-1914

High-resolution radial distribution functions of several forms of pure amorphous silicon measured using tilted-illumination selected area electron diffraction

Presenting author: **Liu A. C.**

Authors: Liu A. C., Gorecki A., Haberl B., Bradby J. E., Williams J. S., Petersen T. C.

MS-11-P-1918

Chemical ordering of Co and Ni in crystalline approximants related to Al-Co-Ni decagonal quasicrystals, studied by Cs-corrected STEM with EDS

Presenting author: **Yasuhara A.**

Authors: YASUHARA A., Hiraga K.

MS-11-P-1920

Microstructural characterization of Al-based composites reinforced with Al-Cu-Fe quasicrystalline phase

Presenting author: **Coimbrão D. D.**

Authors: Wolf W., Coimbrão D. D., Gallego J., Aliaga C. R., Travessa D., Cardoso K. R., Bolfarini C., Kiminami C. S., Afonso C. R., Botta W. J.

MS-11-P-2032

Induced-Assembly of M13 Bacteriophage Arrays Using Carbon Thin Films

Presenting author: **Moghimian P.**

Authors: Moghimian P., Srot V., Rothenstein D., Facey S. J., van Aken P. A.

MS-11-P-2138

Production of Bulk Cu₃₆Ti₃₄Zr₂₂Ni₈ Amorphous Alloy by Ball Milling and Hot Compaction: Phase Separation in the Solid State.

Presenting author: **Jorge Jr A. M.**

Authors: Jorge Jr A. M., Medeiros B. B., Nogueira R. P., Bolfarini C.

MS-11-P-2206

Alterations in density along the propagation direction of shear bands in a metallic glass determined by correlative analytical TEM

Presenting author: **Schmidt V.**

Authors: Schmidt V., Rösner H., Peterlechner M., Voyles P. M., Wilde G.

MS-11-P-2209

TEM STUDY OF Short range order in SbVO₄

Presenting author: **Vilanova-Martínez P.**

Authors: Vilanova-Martínez P., Hernández-Velasco J., Agulló-Rueda F., Landa-Cánovas A. R.

MS-11-P-2465

Structural changes induced by high energy ball milling of a magnetite-graphite-molybdenum disulphide blend

Presenting author: **Häusler I.**

Authors: Häusler I., Dörfel I., Peplinski B., Rooch H., Österle W.

MS-11-P-2772

The study of disorder and lattice dynamics using electron diffraction

Presenting author: **Eggeman A. S.**

Authors: Eggeman A. S., Illig S., Hua X., Grey C. P., Siringhaus H., Midgley P. A.

MS-11-P-3137

Study of TiXSi_{1-X} thin film polycrystalline and metallic glasses by transmission electron microscopy and atomic force microscopy

Presenting author: **Bettini J.**

Authors: Siqueira C. A., Bettini J.

MS-11-P-5724

Production of Fe-based amorphous alloys coatings

Presenting author: **Afonso C. R.**

Authors: Afonso C. R., Gargarella P., Bolfarini C., Botta W. J., Kiminami C. S.