

MS-7. Composite materials and hybrids

10 September, 16:45 - 18:45 / 11 September, 16:30 - 18:30

MS-7-P-1732

Morphology analysis of sponge-like Si-SiO₂ nanocomposites using energy-filtered electron tomography and electron holographic tomography

Presenting author: **Hübner R.**

Authors: Hübner R., Wolf D., Friedrich D., Liedke B., Schmidt B., Heinig K. H.

MS-7-P-1942

THE STUDY OF THE DIFFERENT PERCENTAGE PERFORMANCE OF NANOPARTICLES ON THE PROPERTIES OF EPOXY RESIN

Presenting author: **Hudec J.**

Authors: Hudec J., Neděla V., Polsterová H.

MS-7-P-2024

Optimization of electron tomography for the three dimensional study of hybrid nanoparticle assemblies

Presenting author: **Bladt E.**

Authors: Bladt E., Heidari H., Leroux F., Van Tendeloo G., Bals S.

MS-7-P-2112

Characterization of Self-Hardening CrAlN/BN Nanocomposite Coatings

Presenting author: **Nose M.**

Authors: Sugita H., Nose M., Chiou W. A., Hanyu H., Matsuda K.

MS-7-P-2118

Fibrous scaffolds of PLA and PLA/HA for bone tissue

Presenting author: **Hipólito-García M.**

Authors: Vargas-Becerril N., Granados-Hernández M. V., Téllez-Jurado L., Hipólito-García M., Álvarez-Gregoso O., Álvarez-Pérez M. A.

MS-7-P-2360

EELS study of the carbon speciation of the pyrocarbon interphase in SiC/SiC composites before and after neutron irradiation

Presenting author: **Fave L. G.**

Authors: Fave L. G., Hébert C., Pouchon M. A.

MS-7-P-2416

Application of scanning and transmission electron microscopies for the hybrid silica and silicone structures characterization

Presenting author: **Staszewska M.**

Authors: Staszewska M., Lewandowska-Łańcucka J., Wierzbińska M., Nowakowska M.

MS-7-P-2653

TEM investigation of Multilayer-Heusler Systems for ferroic cooling applications

Presenting author: **Hetaba W.**

Authors: Hetaba W., Teichert N., Helmich L., Hütten A., Schattschneider P.,

MS-7-P-2770

Imaging the dispersion of 2D materials in nanocomposites

Presenting author: **Balades N.**

Authors: Balades N., Sales D. L., Raya A. M., Galindo P. L., Molina S. I.

MS-7-P-2805

Analytical(S)TEM Characterization of the Morphology and Composition of Organic HybridQuantum Dot LEDs

Presenting author: **Kübel C.**

Authors: Kübel C., Maier-Flaig F., Höfle S., Rinck J., Scherer T., Colsmann A., Powell A., Ozin G., Lemmer U.

MS-7-P-3160

STEM and EDS studies of Li₄Ti₅O₁₂ modified with Ag nanoparticles

Presenting author: **Andrzejczuk M.**

Authors: Andrzejczuk M., Roguska A., Michalska M., Czerwiński A., Hebert C., Lewandowska M.

MS-7-P-3162

Spatial-Resolved EELS Analyses of Antibody Distribution on Bio-functionalized Magnetic Nanoparticles

Presenting author: **Arenal R.**

Authors: Arenal R., De Matteis L., Custardoy L., Mayoral A., Grazu V., de la Fuente J. M., Marquina C., Ibarra R.,

MS-7-P-5747

Porous glass - epoxy resin systems investigated with AFM and SEM

Presenting author: **Ostrowski A.**

Authors: Ostrowski A., Filimon M., Baller J., Sanctuary R.

MS-7-P-5994

QUANTIFICATION OF THE DEGREE OF DISPERSION OF TUBULAR NANOFILLERS WITHIN A POLYMER MATRIX

Presenting author: **Dehonor M.**

Authors: Dehonor M., Flores-Santos L., González-Montiel A., Terrones M.

MS-7-P-6065

Effect of TiO₂ nanoparticles morphology on the photodegradation of nanocomposite films with polyethylene matrix.

Presenting author: **Jardim P. M.**

Authors: Jardim P. M., Merlo A. F., Pereira A. F.