

[ID-10. Advances in sample preparation techniques](#)

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

ID-10-P-1499

Towards reliable preparation of serial sections for correlative array tomography and 3D reconstruction

Presenting author: **Spomer W.**

Authors: Spomer W., Wacker I. U., Bartels C., Hofmann A., Scharnowell R., Schröder R. R., Gengenbach U.

ID-10-P-1594

Crystal structure of a polyvinylidene revealed by chemical nonequilibrium plasma etching and chromic attack.

Presenting author: **Urbina De Navarro C. T.**

Authors: Urbina de Navarro C. T., Diaz N. L.

ID-10-P-1621

Advanced FIB lamella lift out technique from a TEM foil

Presenting author: **Mueller J.**

Authors: Mueller J., Spiecker E.

ID-10-P-1965

Comparative study of three sample preparation techniques to prepare a TEM lamella of historical photographs for chemical characterizations

Presenting author: **Grieten E.**

Authors: Grieten E., Leroux F., Caen J., Schryvers D.

ID-10-P-2183

Controlled TEM specimen preparation of supported nanoparticle catalysts for quantitative analysis

Presenting author: **Pingel T.**

Authors: Pingel T., Skoglundh M., Grönbeck H., Olsson E.

ID-10-P-2394

Short freeze-substitution protocols applied to different plant tissues

Presenting author: **Stierhof Y. D.**

Authors: Stierhof Y. D.

ID-10-P-2528

Clearing methods for optical projection tomography microscopy

Presenting author: **Čapek M.**

Authors: Čapek M., Radochová B., Michálek J., Janáček J., Kubová H., Sedmera D., Kubínová L.

ID-10-P-2595

TEM specimen preparation of p-type oxide thermoelectric layered cobaltate ceramics by conventional ion-milling and tripod polishing

Presenting author: **Šestan A.**

Authors: Šestan A., Gec M., Jančar B.

ID-10-P-2697

Nb-doped Sr₃Ti₂O₇ platelets: Preparation of cross-sections thin foils for TEM observations

Presenting author: **Gec M.**

Authors: Gec M., Jerič M., Čeh M.

ID-10-P-2783

Sputtering thin films for high resolution scanning electron microscopy.

Presenting author: **Rattenberger J.**

Authors: Rattenberger J., Melischnig A., Schroettner H., Letofsky-Papst I., Mertschnigg S., Hofer F.

ID-10-P-3254

Sample preparation of heterogeneous semiconductors heterostructures for (S)TEM analyzes : the case study of III-Nitrides on Si-based substrates

Presenting author: **Mante N.**

Authors: Mante N., Feuillet G., Delaye V., Audoit G., Vennéguès P.

ID-10-P-3266

Dry-cleaning of graphene

Presenting author: **Algara-Siller G.**

Authors: Algara-Siller G., Lehtinen O., Turchanin A., Kaiser U.

ID-10-P-5867

Visualization of internal structure of banana starch granule using AFM and SEM

Presenting author: **Peroni-Okita F. H.**

Authors: Peroni-Okita F. H., Gunning A. P., Kirby A., Simão R. A., Soares C. A., Cordenunsi B. R.

ID-10-P-5957

Freeze-fracture technique and artefacts caused by processing conditions

Presenting author: **Vaškovicová N.**

Authors: Vaškovicová N., Valigurová A., Hodová I., Melicherová J., Krzyžánek V.