

[ID-9. Microscopic image analysis and stereology](#)

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

ID-9-P-1452

The Uses of RIMAPS Technique in Microscopy: New Challenges

Presenting author: **Favret E. A.**

Authors: Favret E. A.

ID-9-P-1646

Lamina propria of uninvolved rectal mucosa 10 cm and 20 cm away from malignant tumor: image processing/analysis of structural organization

Presenting author: **Lalić I. M.**

Authors: Lalić I. M., Despotović S. Z., Milićević N. M., Milićević Ž. J.

ID-9-P-1772

Stereological morphometric grids for ImageJ

Presenting author: **Mironov A.**

Authors: Mironov A.

ID-9-P-1898

Stereology on Electron Microscopy: make your EM count!

Presenting author: **Vizcay-Barrena G.**

Authors: Vizcay-Barrena G., Glover L., Fleck R.

ID-9-P-2133

Fully automated muscle quality assessment by Gabor analysis of second harmonic generation images

Presenting author: **Paesen R.**

Authors: Paesen R., Smolders S., de Hoyos Vega J. M., Hansen D., Ameloot M.

ID-9-P-2214

High-performance Robust STEM Image Registration

Presenting author: **Jones L.**

Authors: Jones L., Yang H., Nellist P. D.

ID-9-P-2217

Three-dimensional morphometry and optimality calculation of vascular networks examined in the SEM.

Presenting author: **Minnich B.**

Authors: Minnich B., Margiol S., Frysak J., Bernroider E. W.

ID-9-P-2378

Novel method of image analysis based on the autocorrelation function yielding lateral size distribution.

Presenting author: **Fekete L.**

Authors: Fekete L., Kusova K., Petrak V., Kratochvilova I.

ID-9-P-2396

Is There Possible Bias in E 112 Planimetric Grain Size Measurements?

Presenting author: **Vander Voort G. F.**

Authors: Vander Voort G. F.

ID-9-P-2460

Use of stereological methods for detecting destructured zones in cooked hams

Presenting author: **Bednářová M.**

Authors: Bednářová M., Pospiech M., Tremlová B.

ID-9-P-2524

Analysis of mitochondrial morphology and networks by Fiji

Presenting author: **Čapek M.**

Authors: Čapek M., Sládková J., Radochová B., Janáček J.

ID-9-P-2599

Automatic classification of brightfield microscopy pollen samples using a Tchebichef moment-based texture descriptor

Presenting author: **Marcos J. V.**

Authors: Marcos J. V., Cristobal G., Bueno G., Nava R., Redondo R., Escalante-Ramirez B., Deniz O.

ID-9-P-2784

Segmentation in phase contrast microscopy images

Presenting author: **Soukup J.**

Authors: Soukup J., Lašan M., Císař P., Šroubek F.

ID-9-P-2852

Using Nion Swift for Data Collection, Analysis and Display

Presenting author: **Sarahan M. C.**

Authors: Meyer C. E., Dellby N., Dellby Z., Lovejoy T. C., Sarahan M. C., Skone G. S., Krivanek O. L.

ID-9-P-2869

RAW Image Processing Software

Presenting author: **Malakhova D.**

Authors: Malakhova D., Nahlik T., Rychtarikova R., Stys D.

ID-9-P-2965

Microscopy Image Browser is a new open-source tool for effective segmentation and analysis of 3D/4D volumetric datasets obtained by light or electron microscopy.

Presenting author: **Belevich I.**

Authors: Belevich I., Joensuu M., Vihinen H., Jokitalo E.

ID-9-P-2980

Microscopy Image Browser is a new open-source tool for segmentation and analysis of microscopy datasets

Presenting author: **Belevich I.**

Authors: Belevich I., Joensuu M., Vihinen H., Jokitalo E.

ID-9-P-3016

Particle analysis of TEM/SEM images of nano-particles

Presenting author: **Uematsu F.**

Authors: Uematsu F., Nakanoda S., Kikui T., Manabe H., Iijima Y., Kumagai K., Kurokawa A.,

ID-9-P-3195

An algorithm for quantitative cytometric analysis of spatial relationships between nuclear events represented by microfoci in multicolor 3D confocal microscopy.

Presenting author: **Berniak K.**

Authors: Berniak K., Bernaś T., Rybak P., Biela E., Hoang A., Bujnowicz Ł., Zarębski M., Zhao H., Darzynkiewicz Z., Dobrucki J. W.

ID-9-P-3451

Quantified phenotype analysis in a cell model for Autosomal Dominant Retinitis Pigmentosa

Presenting author: **Laissue P. P.**

Authors: Alghamdi R. A., Boguslaw O., South K., Opefi C. A., Reeves P. J., Laissue P. P.

ID-9-P-3463

Image processing application in Mathematica™: measuring complex shaped metal nanoparticles in noisy micrographs

Presenting author: **Novotný F.**

Authors: Novotný F., Proška J.

ID-9-P-3477

A Texture Based Algorithm for Analyzing Transmission Electron Micrograph Images of Nanoparticles for Size Estimation

Presenting author: **Benitez D. S.**

Authors: Benitez D. S., Debut A., Guerra A.

ID-9-P-5914

CHARACTERIZATION OF BIMODAL PARTICLE SIZE DISTRIBUTIONS (PSD) BY SCANNING ELECTRON MICROSCOPY (SEM) AND LASER DIFRACTION (LD)

Presenting author: **Villar M. A.**

Authors: Gallardo A., Cabrera F., Villar M. A., Bucalá V., Yañez M. J.

ID-9-P-5938

Comparative evaluation of image segmentation algorithms for microscopic cross-section samples

Presenting author: **Beneš M.**

Authors: Beneš M., Zitová B.

ID-9-P-6042

An inexpensive system for quantitative analysis of mosaic form of Turner/Klinefelter syndrome

Presenting author: **Schier J.**

Authors: Schier J., Kovář B., Kuneš M., Honec P., Číp P., Zemčík P., Dubská M., Kočárek E., Tesner P.