

Title: Huygens deconvolution and analysis Everywhere, featuring the Workflow Processor

Company: Scientific Volume Imaging

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Abstract

Results of colocalization and object-based analysis very much depend on the quality of microscopy data, which always suffers from noise and blur, and frequently also from chromatic and spherical aberration, crosstalk, and sample drift. All these imaging artifacts can easily be restored with the Huygens Software. Huygens is considered as the gold standard for deconvolution and restoration of microscopy data from widefield, confocal, spinning disk, multiphoton, STED, Zeiss Airyscan®, or Light Sheet systems. Complemented by Huygens high quality 3D-5D visualization and analysis, publication-ready data is within close reach.

In this lecture, you will see how easy Huygens can be used Everywhere. With a personal or shared login, you can start and work with Huygens at any time and place. Besides Huygens new Python interpreter, we'll also present the Workflow Processor, designed for organizing different tasks in one workflow with a simple drag&drop approach, and suited for massive CPU and GPU-driven batch processing.