

NanoGPS Suite: New advanced solution for correlative optical & electron microscopy

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A single instrument or technique can't give you the complete information regarding a sample. When sample is a macro sample, splitting the specimen in several pieces in case of destructive analysis or reusing the same sample if the analysis is not destructive usually solve the problem.

In case of 2D sample problem can be more complex. Marking manually the sample with a pencil or other medium is an easy way but not always effective when moving the sample from one instrument to another. Sometime within the portfolio of a manufacturer some proprietary solutions do exist but usually limited to that specific manufacturer and not all characterization techniques maybe available.

Hyphenated instruments can be another solution but usually when an instrument becomes more complex, ease of use is lost and sometimes compromises are done making that some specific features are lost.

Today world is connected, and my daughter could not imagine how to meet with friends at a place without sharing her position by WhatsApp. That the thought that some scientist had at Horiba when they came to the development of Nano-GPS: We want to easily share the points of interest of a sample at Nano scale, and share that position easily on different instruments platform from optical microscope, Raman microscope, AFM microscope to electron microscope SEM, FIB, HIM, #XGT X-Ray microscope...

Integrating and treating these nice data was the next mandatory step to have a solution that could be accepted by the scientist. We choose to develop #graphXY software suite with the help of #Digital Surf using their experience on #Mountains software considered as a standard by part of the community. #graphXY allow an easy integration of the different images to generate impressive #correlative reports and papers

HORIBA took some time to develop test and validate the concept on different platforms but today product launch is ready. Please don't hesitate to get and test your first nanoGPS tags!

Don't forget to share your position!