

Hardware/software requirements for the Irena/Nika/Beyond Rg Materials courses

To participate in these courses software part, you will need computer (= notebook) with either:

1. Windows 7, 8, VISTA, or Windows10 (32 or 64 bit)
2. Mac OSX (later versions, 10.11 or higher)

Important - you will need computer with sufficient memory, CPU, and screen size:

1. At least 4Gb, preferably 8Gb or more *free* memory (*Nika* may use a lot of memory) and USB port (we can work around lack of USB port).
2. CPU requirements are reasonable, *most recent* computers should be fine.
3. Large enough screen size - **AT LEAST 768 pixels vertical size <<< THIS IS IMPORTANT** (either physical size or “virtual” size if driver allows it, smaller vertical size will not work). Larger screens are better and more "human compatible" - 15 inch is really useful. On 768 pixels vertical size find way to “autohide” taskbar on Windows...

Netbooks are NOT useful at all. It has been tested by prior participants. Do NOT bring them. Bring real computers.

You will need Igor Pro version (7 or higher). Options (you will need admin privileges here):

1. If you have license for Igor Pro 7, 8, or higher, update to your latest version (free, www.wavemetrics.com)
2. If you do NOT have Igor 7 or higher license, install the latest version (www.wavemetrics.com) as demo few days before the workshop. It will run for 30 days as full-featured demo. You **MUST** be within these 30 days to be able to use your Igor Pro and meaningfully participate.

I suggest installing my Irena + Nika packages prior of the workshop - check for current version week or two before the course. **You should have the latest version to meaningfully participate.**

To install Irena/Nika follow this method:

1. Install/update Igor Pro if needed (you will need admin privileges)
2. Download --- “GHInstaller_IrenaNika_v1.08.pxp” (or later, no admin privileges needed) from : <http://usaxs.xray.aps.anl.gov/staff/ilavsky/irena.html>
3. Follow the Youtube movie “*Installing Irena and Nika Packages*” how to install using GHinstaller!

This should work if you have Internet access as the installer downloads files from Github. Restart Igor Pro and look in Macros for “Load Irena SAS Macros” and “Load Nika 2D SAS macros”. Select these options and see if the code “compiles”. If you do not get error but new menu items (SAS and SAS 2D), everything should be functioning correctly.

Check with me if you see errors or something does not work before the workshop starts on site, plan to come earlier to have this fixed. SEE Movies on my YouTube channel, easiest to find:

https://www.youtube.com/results?search_query=ilavsky+SAXS

More info available here:

<http://usaxs.xray.aps.anl.gov> or <mailto:ilavsky@aps.anl.gov>