

Hardware/software requirements for the Irena/Nika courses

To participate in this course you will need computer (= notebook) with either:

1. Windows 7, 8, VISTA, or Windows10 (32 or 64 bit)
2. Mac OSX (later versions, 10.7 or higher)

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

1. At least 4Gb or more memory (Nika may use a lot of memory)
2. **You need usable USB port. If you cannot use usb ports, contact me ahead.**
3. CPU requirements are tough to judge, but Nika is cpu demanding. Irena is somehow less so, but needs serious cpu also. Most later Intel or AMD chips are likely OK.
4. Large enough screen size - **AT LEAST 900 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 900 pixels vertical size find way to "autohide" task bar on Windows... *Note: New Ultra high resolution displays are NOT handled well by Igor 6, avoid 4k displays with Igor 6, please.*

Netbooks are NOT useful. Do NOT bring them. Bring real system.

You will need *Igor Pro 32 bit version 6.37* or *Igor 7* (32 bit or 64 bit versions). NOT Igor 6 64bit.

Options (you will need admin privileges here):

1. If you have license for Igor Pro, update to the latest version (free, www.wavemetrics.com)
2. If you do NOT have Igor Pro 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 will need the latest version to meaningfully participate.

To install Irena/Nika follow this method :

1. Install/update Igor Pro if needed (you may need admin privileges here).
2. Go to <http://usaxs.xray.aps.anl.gov/staff/ilavsky/irena.html> and download :
Universal Installer 1.32.pxp for Igor Pro 6.37 or
GHInstaller_IrenaNika_v1.03.pxp for Igor 7. (or newer if available)
3. Follow instructions for appropriate installer on my Youtube channel. Search Youtube for "Ilavsky saxs". You get to my channel: <https://www.youtube.com/channel/UCDTzjGr3mAbRi3O4DJG7xHA>

This should work if you have Internet access as the installer downloads the distribution zip file. 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.

More info available here: <http://usaxs.xray.aps.anl.gov> or <mailto:ilavsky@aps.anl.gov>