

Nion

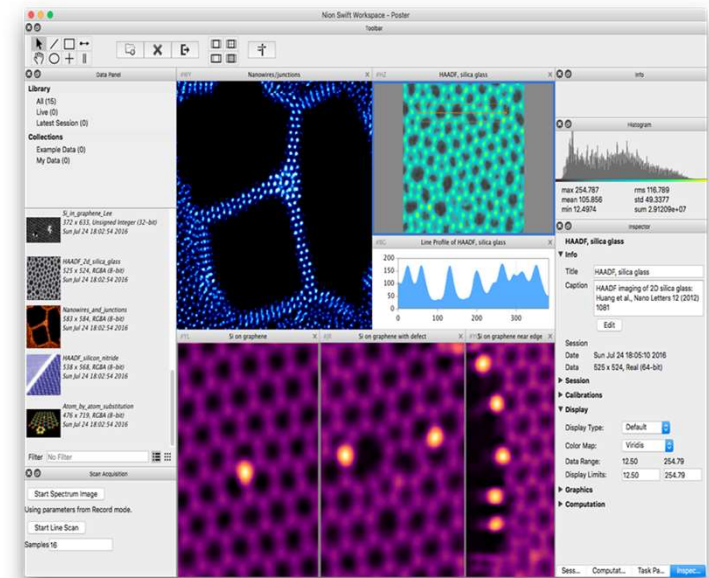
- Developer of advanced scanning transmission electron microscopes
- Specialized in ultra-high spatial and energy resolution
- Excellent performance at low primary electron energies and large probe currents
- Developer of open source software for instrument control, data acquisition and processing: *Nion Swift*



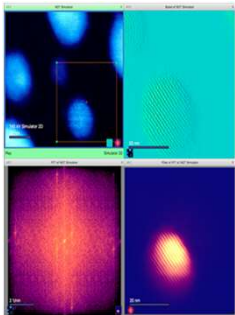
Nion Swift

Language Rank	Types	Spectrum Ranking
1. Python		100.0
2. C++		98.4
3. C		98.2
4. Java		97.5
5. C#		89.8
6. PHP		85.4
7. R		83.3
8. JavaScript		82.8
9. Go		76.7
10. Assembly		74.5

- Open Source and cross-platform
 - Python
 - Linux, macOS, Windows



- Unique Features, Organization and Live Data
 - Keeps related data together
 - Live computations
- Rapid Development in Python
 - Data acquisition and organization
 - Scripting, libraries, user interface



NeXus and Nion

- Not currently using NeXus
- We want our data to be as accessible as possible
- Open source and open data format is a great match
- We are committed to providing useful and well-structured metadata
- Nion Swift can easily be extended: NeXus file export possible even if we do not use it internally

