

Hybrid-Pixel Detection and Software Automation Streamlining Electron Diffraction Experiments

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Transmission electron microscopy is an invaluable tool in the fields of material and life sciences. Among several electron microscopy techniques, electron diffraction has gained significant interest in the last few years and is one of the most rapidly developing methods for crystallography. A successful electron diffraction experiment greatly relies on robust and easy-to-use software for data acquisition and analysis, as well as the data quality that is mainly dictated by the detector used to collect the diffraction patterns. This presentation will discuss how integrating a hybrid-pixel electron detector (the Stela camera) into the Gatan Microscopy Suite workflow enables mainstream adoption of the electron diffraction experiments such as 4D STEM and Micro-ED in microscopy labs around the world.