



# UEMtomaton: Software for automating image acquisition in electron microscope

## Software files for automating image acquisition in TEM

**IP Status:** Copyright

### Applications

- Automation in ultrafast electron microscopy

### Technology Overview

Prof. David Flannigan's research group at the University of Minnesota have developed UEMtomaton: software modules for enabling communication between an optical delay stage and a digital camera mounted on an electron microscope. The software enables automation of image acquisition with ultrafast electron microscopes through user-defined parameters. This approach is simple, robust and portable for machines using the same equipment. Using this automation software will reduce experiment time, manual intervention, and user error.

Related software: [UEMview](#)

### Phase of Development

**TRL: 8-9**

Fully functional software.

Software is available on [GitHub](#).

### Desired Partnerships

This technology is now available for:

- License

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### Researchers

- [David Flannigan, PhD](#) Associate Professor, Chemical Engineering and Material Science

### Technology ID

2021-040

### Category

Express License

Life Sciences/Research Tools

Software & IT/End User Software

Software & IT/Image & Signal

Processing

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