

## The Expanding World of Nanofabrication – *an update from NanoFabrication Kingston*

December, 2019

Good day,

You are receiving this important update as a user of NFK, as a supervisor of a user, or as someone who requested to receive these updates.

### **Holiday break**

NFK will be closed from **Dec. 20 at 4:30 pm** until **Jan. 2, 2020**. We are planning to shut down the tools, so if you need to use NFK over this period, **please let me know before Dec. 16<sup>th</sup>**.

### **New tool – vacuum desiccator**

NFK recently installed a new vacuum desiccator, useful for long-term storage of materials in a dry, inert atmosphere. Please enquire for training if you would like to use it. Thanks go out to CMC Microsystems for purchasing it and having it managed by NFK for the benefit of us all!

### **New deposition materials**

NFK staff has recently developed processes for the thin film deposition of:

- **Indium** (In) by e-beam evaporation
- **Silicon dioxide** (SiO<sub>2</sub>) by sputter

If you are interested in depositing these materials, or need a different material, please let me know.

### **IT news**

NFK is now on Queen's network, and Queen's WiFi is now available in the lab. As NFK's IT services continue to be transitioned to Queen's, we will announce further changes in the near future to the website, booking calendar, and networking of computers in the lab.

### **Staffing**

Remember, if there is something you need help with at NFK, please **email me** ahead of time to ensure I can be there! For activities you have never done at NFK before, you must coordinate them with me.

### **We want to hear from you**

NFK is always interested in hearing about your research. Has your work at NFK led to a publication or conference presentation? If so, please let us know. We are constantly updating our [list](#) of peer-reviewed journal articles showcasing work done at NFK. We also welcome feedback about our tools and services. Feel free to forward your questions, concerns, complaints, or praise to [me](#), and I will do my best to respond.

See you at the lab!

Graham Gibson

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