



NanoFabrication Kingston

People. Ideas. Technologies.

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

March 2019

Good day,

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

New website

We've updated our website! While similar to the old one, it includes some useful new information:

- Process documents and standard operating procedures for using NFK equipment (more will be added as they are published)
- A virtual tour of the lab so you can show your friends what it's like to be in the cleanroom
- List of NFK-enabled publications in peer-reviewed journals
- A map showing location of Innovation Park with links to bus routes to and from the site
- And much more!

We encourage you to browse the new site to see if there is something at NFK to help your research. I welcome your suggestions to improve the site.

Equipment status:

Evaporator

We have made a few repairs on the evaporator over the past few months. If you haven't used the evaporator since the summer, please ask about what's new with it.

Maskless Lithography System

Exposure times are much different since we changed the lamp in September. If you haven't used the system since then, please ask for advice on your process.

Laser Micromachining System

We have had to replace a few control boards over the past few months. If you haven't used the system since September, please ask for training on how to use the power meter.

Compressed Air

The building's compressed air supply is now back to normal, and all NFK tools relying on compressed air are working well.

Humidity

The lab's humidifier failed in December and humidity has been low during the winter months. We expect the new humidifier to be installed in the next couple of weeks, so stay tuned for an update.

CMC Microsystems and NFK Management

In case you haven't heard, CMC Microsystems, the not-for-profit organization that manages operations of NFK, will no longer be doing so as of June 30, 2019 due to changes in funding. Queen's is formulating a plan to minimize the impact on NFK users as management responsibilities transition from CMC to Queen's. To see how you can help, or for more information, please contact [me](#) or NFK Science and Management Committee members [Rob Knobel](#) (Queen's Physics), [Richard Oleschuk](#) (Queen's Chemistry), or [Craig Jeffrey](#) (CMC).

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. The new website proudly lists peer-reviewed journal articles showing 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 we will do our best to respond.

See you at the lab!

Graham Gibson

Lab Operations Manager, NanoFabrication Kingston
Innovation Park at Queen's University
CMC Microsystems
945 Princess St.
Kingston, ON
K7L 0E9
gibson@cmc.ca

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