

## Software in the Cloud: Free Trial Access

Hosted in Canada, the NDN Cloud provides easy access to a select set of complex tools for researchers designing and simulating advanced microsystems and nanotechnologies.

### The NDN Cloud offers:

- A secure design environment
- A reliable connection to CAD tools
- Faster simulation times
- On-demand access with zero configuration



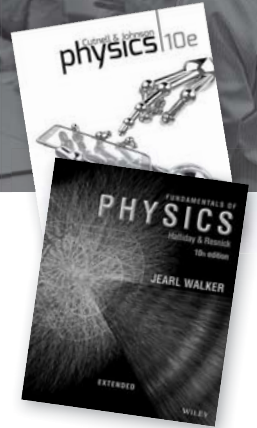
Visit us at our booth or  
access a free trial online  
[www.cmc.ca/ndncloud](http://www.cmc.ca/ndncloud)

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## QUANTUM: THE EXHIBITION



INNOVATION150



Canada



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[quantumexhibit.ca](http://quantumexhibit.ca)

## Canadian Journal of Physics

Reports significant advances in research in physics contributed by recognized experts in Canada and abroad.

Check for CJP's Women in Physics Special Issue coming in late 2017.

To submit a paper to CSP visit  
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*Canadian Journal of Physics* is published by CSP



### Canadian Particle Astrophysics Research Centre

Hosted by Queen's University, CPARC is a collaboration of seven Canadian universities and five research organizations that aims to establish the Centre as the world's leading research group in the study of particle astrophysics.

This field relies on laboratory experiments, astronomical observations, and theory in the quest to understand the nature of dark matter, the properties of neutrinos, and their roles in the evolution of the universe.

When fully operational, the Canada-wide research team will consist of about 100 personnel, including faculty, scientists, engineers, students, staff, and many more.

See [www.cparc.ca](http://www.cparc.ca) for upcoming career, education, research and development, and outreach opportunities.









# Lock-in Amplifiers

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### Typical applications

- Spectroscopy: pulsed lasers, THz, asynchronous optical detection, choppers, laser phase locking (PLL)
- Imaging: AFM, Kelvin-Probe, CARS, SRS, SNOM
- Quantum research  
Ion traps, cQED, Quantum Dots
- Sensors: MEMS, NEMS, gyros, photoacoustic sensors

### All Instruments include

-  Spectrum Analyzer
-  Parametric Sweeper
-  Oscilloscope with FFT
-  MATLAB, LabVIEW, C, and Python interface

### Upgrade options

-  AWG
-  Boxcar PWA
-  Digitizer
-  PID, PLL Controller

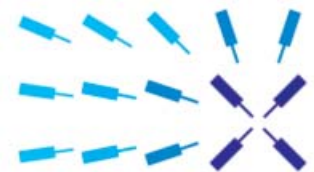
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