

# 2014

## DUNLAP INSTITUTE SUMMER SCHOOL

10 – 15 AUGUST 2014

### Introduction to Astronomical Instrumentation

*First Light on the Decade's  
Most Innovative Instruments*

- Learn basic principles of optical, infrared and radio instrumentation
- Learn how detectors and spectrographs work
- Attend a hands-on fourier transform spectrometer lab
- Learn in lecture and hands-on laboratory sessions
- Work with students from around the world
- Learn about a career in instrumentation
- Attend professional development sessions, incl. a mentoring lunch for female students
- Learn from leaders in the field of astronomical instrumentation

For students who have finished at least the 3rd year of an undergraduate program or are in the early years of a graduate program, and have a background in astronomy, physics or engineering.

#### INVITED INSTRUCTORS\*

René Doyon  
*Université de Montréal*  
James Graham  
*University of California, Berkeley*  
Olivier Guyon  
*University of Arizona/  
Subaru Telescope/JPL*  
Phil Hinz  
*University of Arizona*  
Anna Moore  
*California Institute of Technology*  
David Naylor  
*University of Lethbridge*  
Christine Wilson  
*McMaster University*

#### DUNLAP INSTITUTE INSTRUCTORS\*

Tuan Do  
Rachel Friesen  
Jérôme Maire  
Laura Newburgh  
Michael Reid  
Suresh Sivanandam  
Keith Vanderlinde  
Shelley Wright

\* confirmed as of  
10 Feb 2014

### Registration Fee: \$500

*Travel subsidies and registration fee  
waivers available*

**Application and travel subsidy  
deadline: 11 April 2014**

**DUNLAP.UTORONTO.CA/SUMMER-SCHOOL**

University of Toronto  
Toronto, Ontario, Canada

