



SHORT PROGRAMME

Calendars at-a-glance, Maps and more



**HOSTED BY LONDON CENTRE
MAY 19 - 23, 2016**

WELCOME

Welcome to London town, the Forest City. We hope your stay is eventful and enlightening, joyous and enjoyable, memorable, profitable and fun. The London Centre takes pleasure in welcoming you to the 57th annual **R.A.S.C. General Assembly** (our 3rd) and the 4th annual **Canadian Astronomy & Telescope Show** at Fanshawe College.

G.A. Co-Chairs: Peter Jedicke and David Clark.

AstroCATS Chair: Andy Blanchard



GA events, locations, times, costs and enjoyment level are subject to change. Visit our web site, <https://events.rasc.ca/>, for up to the minute information. Or, if you want, talk to our helpful representatives at the Main Registration & Concierge Desk.

About our logo: "Galaxies Merge." The R.A.S.C. General Assembly and the Canadian Astronomy & Telescope Show are coming together like two wonderful spiral galaxies.

The **Canadian Astro Photography Schools** (CAPS) will take place on Thursday & Friday. CAPS is an initiative of RASC **Hamilton Centre**. Its aim is to provide people of all levels of experience with courses designed to improve their astrophotography skills. CAPS is pleased to announce that Bob Sandness, of Prism America, will give a keynote address on Friday in D1060 at 16:30. This lecture is open to all AstroCATS / GA2016 participants, but separate registration is required for the "classes" of the Canadian Astro Photography Schools.

AstroCATS is a two-day event (Saturday & Sunday) featuring the largest commercial display and sale of telescopes and related astronomical products held in Canada. See new equipment, have some fun! AstroCATS is hosted by the Hamilton Centre and London Centre. AstroCATS admission is included for those who have registered for Saturday and/or Sunday.



events.rasc.ca



astrocats.ca



hamiltonrasc.ca/CAPS/

1979

2001

2016 *"history has a way of repeating itself"*

AstroCATS Door Prizes

Celestron – has donated a **NexStar 8SE** telescope, Retail 1199.00 USD

MallinCam – has donated the following prizes

- 1- MallinCam Universe CCD camera, Retail 1899.99 USD
- 1- MallinCam Xterminator 27K Retail 1599.99 USD
- 2- NEW! SkyRaider 2.3PLUS. Retail 899.99 USD ea
- 2- MallinCam SkyRaider DSc. Retail 699.99 USD ea
- 1- MallinCam Jr PRO Color Retail 599.99 USD
- 2- MallinCam SkyRaider AG/ Retail 199.99 USD ea

...and more...please visit the AstroCATS web site, or Facebook page, for details. More AstroCATS on page 10.



D2's HOSPITALITY SUITE

Party! With the London Centre **Relax And Snack Club**

Our hospitality suite is a special Suite in the residence, just steps away from your room, where everyone can congregate and relax. A traditional highlight of any General Assembly since 1979. Informal conversations in a public setting. This will be the Centre of social activity all weekend, a point of contact for guests with each other. Guest are reminded to BYOB. (Host: David Clark)

PJ's HOSPITALITY BAR

Merlin House Atrium. Friday and Saturday starting at 21:00 and closing at 01:00. (Host: Peter Jedicke)

A photon walks into a bar and orders a drink. The bartender says, 'Do you want a double?' And the photon says, 'No I'm traveling light.'

COMPUTERS AND NETWORK ACCESS

Chances are that the laptop plugs will not be activated during the GA. Wireless access for a web browser will be possible, using the Fanshawe Guest Network. The user name is AstroCATS and we will let you guess what the password is. Ask the Registration team for the password if you can't figure it out

CONSTRUCTION

The other half of J-Building is under construction...sorry about that.

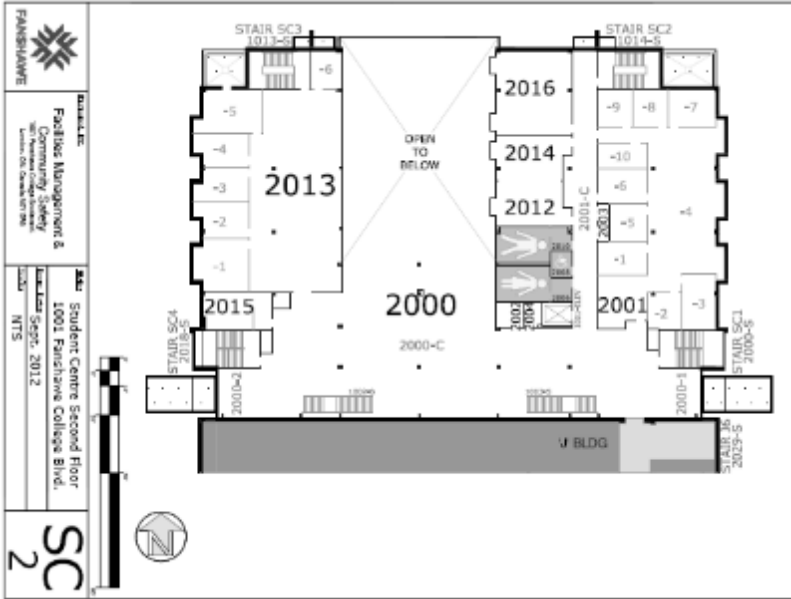
FIRST AID / MEDICAL EMERGENCY

Call Fanshawe Security at the 24-hour emergency line 519-452-4242. Dial 4242 from any on-campus phone.

MAPS

The Main Registration and Concierge Desk will be on the mezzanine of the Student Centre (SC 2000), just above Oasis, where lunches and the Gala Banquet will take place. Accommodation will be provided in Merlin House (R3). The AstroCATS exhibit hall will be the J3 Gymnasium. CAPS is in M-Building. Panels, Presentations and Programming on Saturday will be in D-Building (D1060) and on Sunday in R-Building (R1). The Annual General Meeting will be in R-Building (R1020). Helen Sawyer Hogg Lecture will be in D1060. Further information is available at the Main Registration & Concierge Desk, for up-to-the-minute times and locations.

Student Centre (SC) - 2nd Floor



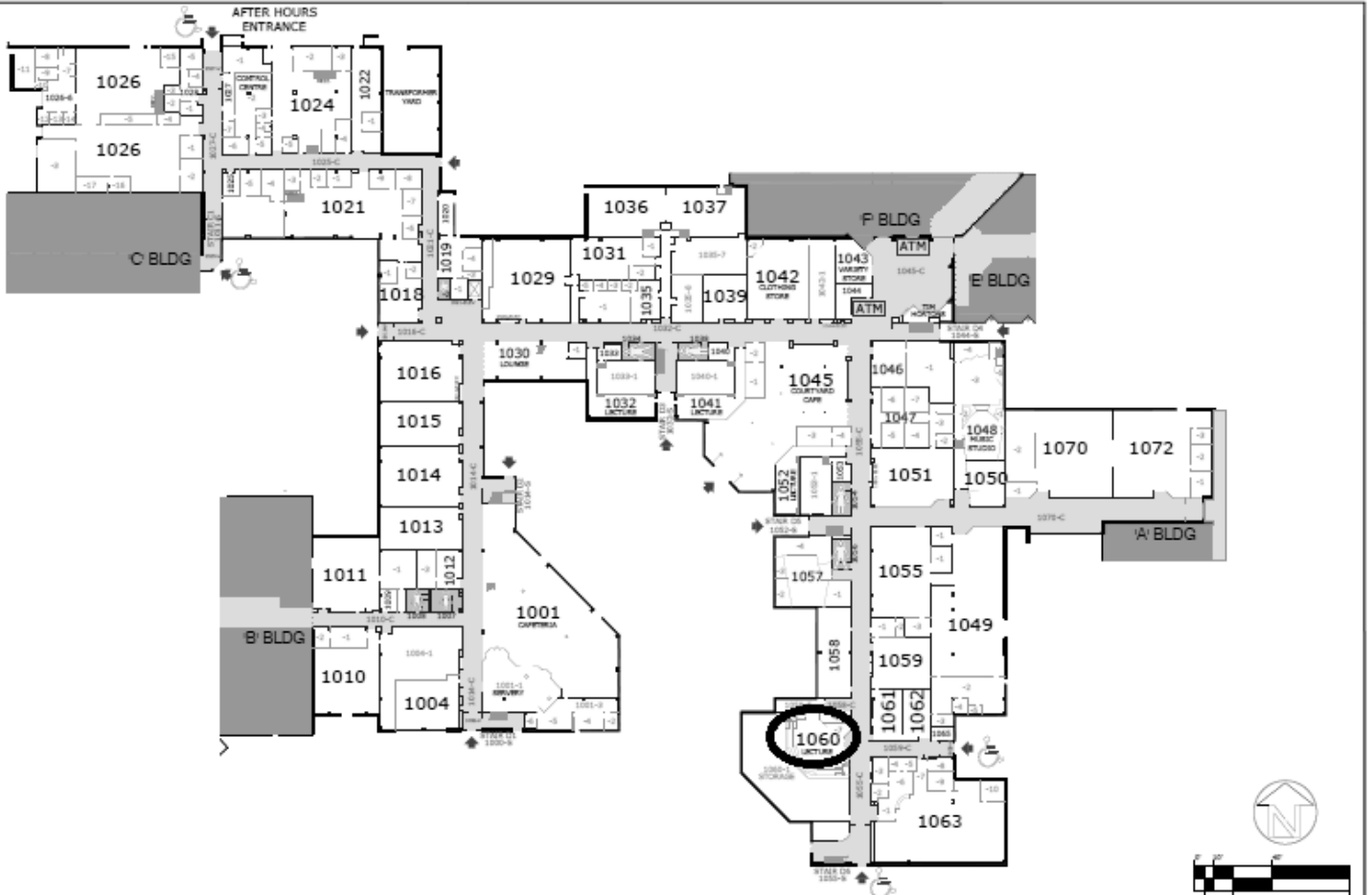
Should you require assistance outside of the Registration hours there will be contact information posted at the Main Registration and Concierge Desk (SC 2000).


GA Committee members will be wearing purple T-Shirts. Red is the colour you can buy. So please buy one.

Residence Check-In & Check-Out is at the Merlin House (R3) front desk. Check in time is 15:00 and check out time is 11:00 the next morning. Storage for luggage may be arranged.

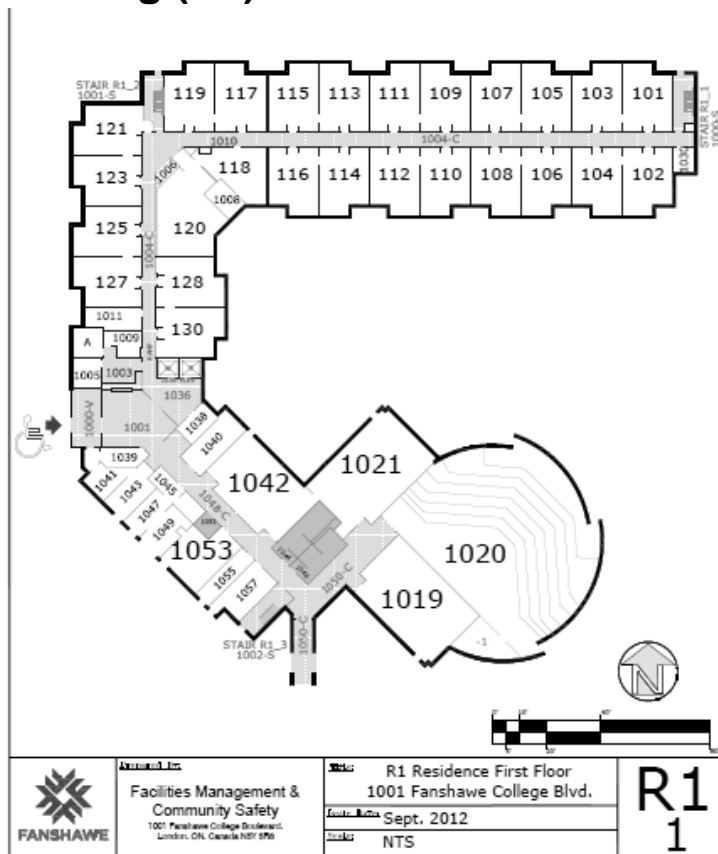
A continental breakfast, in the Merlin House (R3) Atrium, is included with the price of accommodation.

D Building - 1st Floor

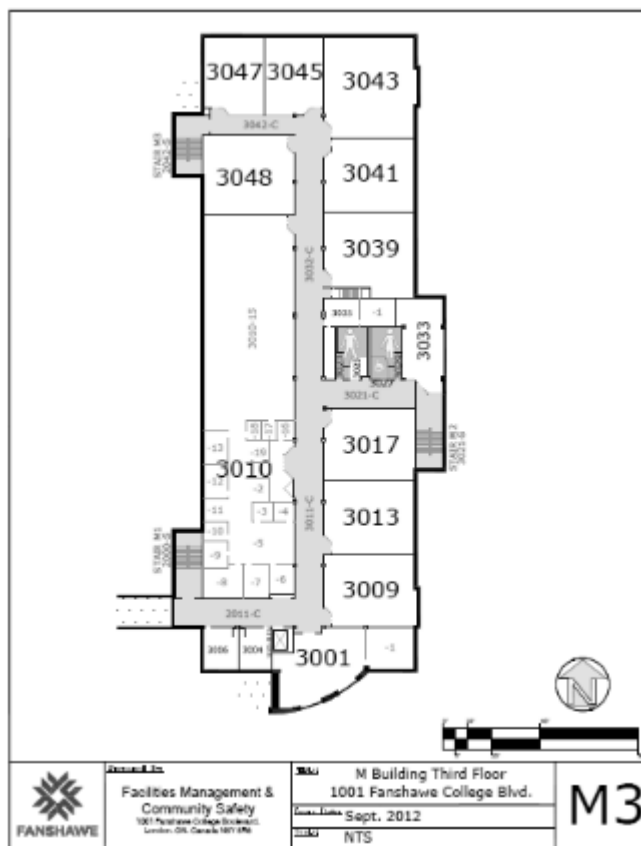


	Facilities Management & Community Safety <small>1001 Fanshawe College Boulevard, London, ON, Canada N6Y 5Y6</small>	Title: D Building First Floor 1001 Fanshawe College Blvd.	<h1>D1</h1>
	Date: March 2014		

R Building (R1) - 1st Floor



M Building - 3rd Floor



RASC 2016 AWARDS

The Royal Astronomical Society of Canada has traditions that go back a century and more. Acknowledging the achievements and contributions of members is perhaps the most significant of these. In 2016, the Society honours the following award winners:

Simon Newcomb Award

Martin Hellmich and Halley Davies

RASC Qilak Award

Doug Cunningham

Service Awards

Gary Bennett, Andy Blanchard, Paul Gray, Chris Teron and Hugh Pett

Fellowship Awards (FRASC)

Jay Anderson, Alan Batten, Doug Hube, Pat Kelly and Franklin Loehde

Isabel Williamson Lunar Observing Program Certificate

Ric Wagner

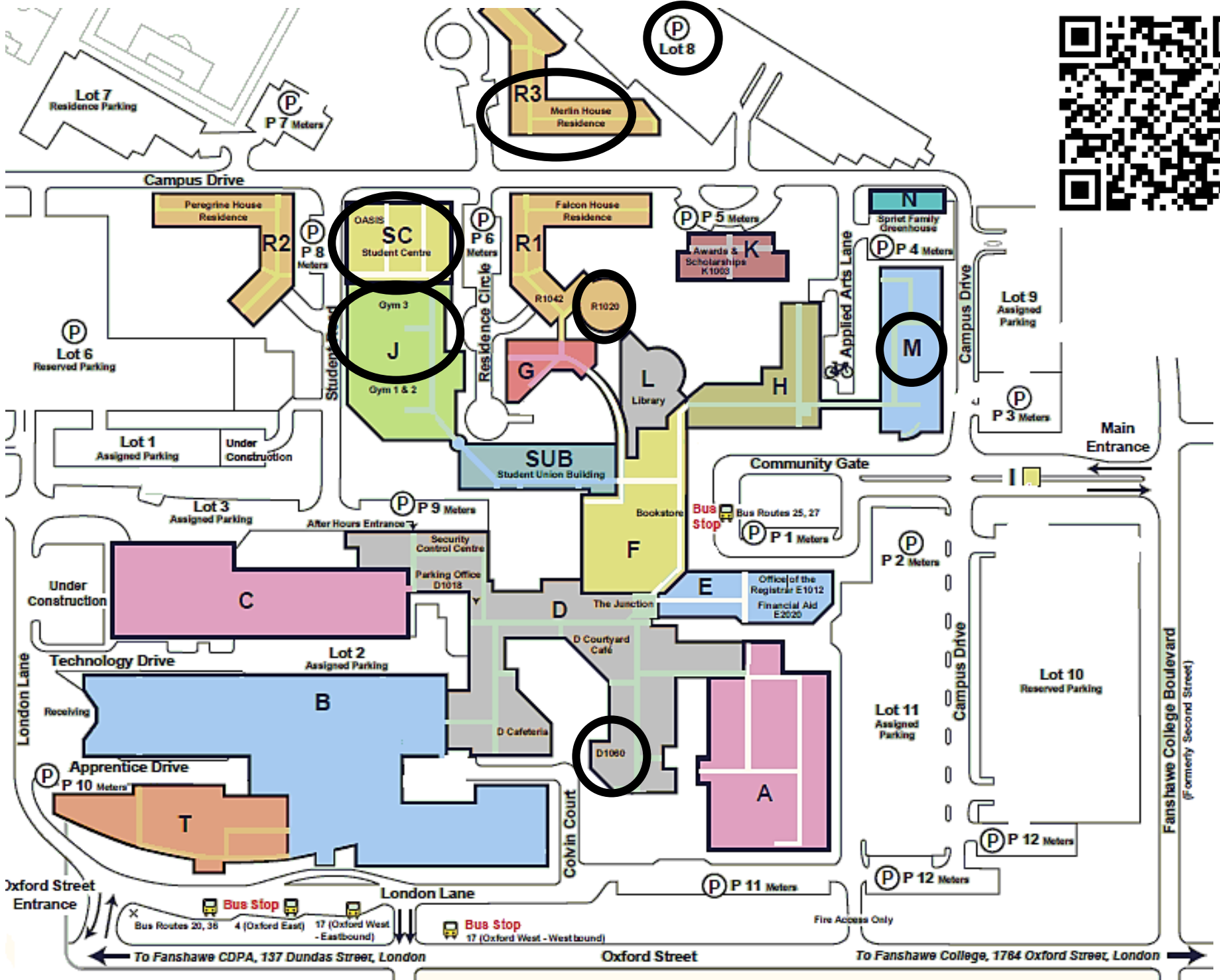
These Awards will be presented at various times during the GA2016 / AstroCATS

Plaskett Medal (to be presented at the CASCA Annual Meeting)

Dr. Jonathan Gagné

Congratulations to all!





To Fanshawe CDPA, 137 Dundas Street, London

Oxford Street

To Fanshawe College, 1764 Oxford Street, London

Calendars At-A-Glance note: Times are approximate. Some events commence and/or conclude on the quarter hour. Our advice...come early for the best seat.

THURSDAY

Thursday May 19, 2016																							
	07 ³⁰	08 ³⁰	09 ³⁰	10 ³⁰	11 ³⁰	12 ³⁰	13 ³⁰	14 ³⁰	15 ³⁰	16 ³⁰	17 ³⁰	18 ³⁰	19 ³⁰	20 ³⁰	21 ³⁰	22 ³⁰	...						
Registration desk / concierge			SC Mezzanine																				
Golf and informal dinner				River Road Golf Course																			
Astrophotography - Beginners Astrophotography				R1020																			
Astrophotography - Planetary Astrophotography				R1019																			
Astrophotography - PixInsight				R1021																			
Lunch for astrophotography workshop							← Oasis (Grinders)																
Astrophotography - Beginners Astrophotography							R1020																
Astrophotography - Planetary Astrophotography							R1019																
Astrophotography - PixInsight							R1021																
Board Meeting											SC2016												
Teacher's workshop and informal dinner											R1019												
Cronyn Open House															Cronyn UWO								
Robert Jedicke public talk																		← R1020					
D2's Hospitality Suite																		Merlin R3410 →					
	07 ³⁰	08 ³⁰	09 ³⁰	10 ³⁰	11 ³⁰	12 ³⁰	13 ³⁰	14 ³⁰	15 ³⁰	16 ³⁰	17 ³⁰	18 ³⁰	19 ³⁰	20 ³⁰	21 ³⁰	22 ³⁰	...						

FRIDAY

Friday May 20, 2016																							
	07 ³⁰	08 ³⁰	09 ³⁰	10 ³⁰	11 ³⁰	12 ³⁰	13 ³⁰	14 ³⁰	15 ³⁰	16 ³⁰	17 ³⁰	18 ³⁰	19 ³⁰	20 ³⁰	21 ³⁰	22 ³⁰	...						
Breakfast for residence guests			← Merlin Atrium																				
Registration desk / concierge			SC Mezzanine																				
Poster and Art Display			SC2013																				
Astrophotography - Beginners Astrophotography				M2017																			
Astrophotography - Planetary Astrophotography				M3041																			
Astrophotography - PixInsight				M3013																			
Walking Trail Tour						← Various Trails (Bus at Merlin House)																	
National Council				D1060																			
Spacecraft building workshop				M3039																			
Lunch for astrophotography workshop							← Oasis (Grinders)																
Astrophotography - AstroCATS pretour							← J3 Exhibit Hall (CAPS Participants only)																
Astrophotography - Beginners Astrophotography							M2017																
Astrophotography - Planetary Astrophotography							M3041																
Astrophotography - PixInsight							M3013																
Astrophotography - Closing (Bob Sandness) and Door Prizes																		← D1060 (Open to All)					
Lunch				Oasis (Grinders)																			
Walking Trail Tour							← Various Trails (Bus at Merlin House)																
Sketching workshop (Erica Rix, Brian McCullough, Gary Shelley)							M3039																
Aviation faculty open house							Airport																
Wine/Cheese													Oasis										
5 minute presentations and awards																		← Oasis					
PJ's Hospitality Bar																		Merlin Atrium →					
D2's Hospitality Suite																		Merlin R3410 →					
AstroCATS setup			J3 Exhibit Hall (Vendors and Volunteers Only)																				
SkyShed road trip																		Wayne Parker's →					
	07 ³⁰	08 ³⁰	09 ³⁰	10 ³⁰	11 ³⁰	12 ³⁰	13 ³⁰	14 ³⁰	15 ³⁰	16 ³⁰	17 ³⁰	18 ³⁰	19 ³⁰	20 ³⁰	21 ³⁰	22 ³⁰	...						

SATURDAY

Saturday May 21, 2016																																	
	07	30	08	30	09	30	10	30	11	30	12	30	13	30	14	30	15	30	16	30	17	30	18	30	19	30	20	30	21	30	22	30	...
Breakfast for residence guests	← Merlin Atrium																																
Registration desk / concierge	SC Mezzanine																																
Poster and Art Display	SC2013																																
Papers, Presentations, Panels (Session 1)	D1060																																
Jeremy Hansen - plenary session	← D1060																																
Tina Pollmann	← D1060																																
Robert Jedicke	← D1060																																
David Levy	← D1060																																
AstroCATS	J3 Exhibit Hall																																
Planetary Surface Rover	J3 Exhibit Hall																																
AstroCATS - Jeremy Hansen walk-through	← J3 Exhibit Hall (Time is approximate)																																
Walking Trail Tour	← Various Trails (Bus at Merlin House)																																
Lunch	Oasis (Grinders)																																
Papers, Presentations, Panels (Session 2)	D1060																																
Stan Metchev	← D1060																																
Erika Rix	← D1060																																
Peter Brown	← D1060																																
Walking Trail Tour	← Various Trails (Bus at Merlin House)																																
HST Part Display	SC2012 & 2014																																
Meteorite display	SC2012 & 2014																																
Hogg Lecture	← D1060																																
Buses to Fingal (POUTS and Observing)	← Merlin House																																
Pig Out Under the Stars	Fingal																																
Buses from Fingal (POUTS)	Fingal →																																
Observing	Fingal																																
Buses from Fingal (Observing)	Fingal →																																
PJ's Hospitality Bar	Merlin Atrium →																																
D2's Hospitality Suite	Merlin R3410 →																																
	07	30	08	30	09	30	10	30	11	30	12	30	13	30	14	30	15	30	16	30	17	30	18	30	19	30	20	30	21	30	22	30	...

A seminar on time travel will be held last Tuesday.

London Centre Fingal Observing Site



Members of London Centre enjoy dark skies near Fingal, approximately 40 kilometres south west of London. We operate two Roll Off Roof Observatories, equipped for Visual Observing and Astro-Imaging, plus a Heated Warm Up Room. During WWII this area was a bustling air force training base, the Number 4 Bombing and Gunnery School, and the huge concrete pad on which we park and set up telescopes was once the floor of aircraft hangar number 6.

Pig Out Under the Stars (POUTS) - Saturday

If you paid for the picnic on Saturday, we will provide transportation to the London Centre's observing site for an outdoor meal under the stars. Dress appropriately, bring bug juice. The observatories will be open for visitors. If the weather is sour, there will still be a Pig Out, but it will be in a church hall instead of Under the Stars. First bus will leave the circle in front of Merlin House, on the Fanshawe campus, at 17:30, or when it is full. Following busses leave when they are full. First bus will depart Fingal Observing Site at sunset. Following busses will depart when they are full. Last bus departs after 23:00.

SUNDAY

Sunday May 22, 2016																											
	07 ³⁰	08 ³⁰	09 ³⁰	10 ³⁰	11 ³⁰	12 ³⁰	13 ³⁰	14 ³⁰	15 ³⁰	16 ³⁰	17 ³⁰	18 ³⁰	19 ³⁰	20 ³⁰	21 ³⁰	22 ³⁰	...										
Breakfast for residence guests	← Merlin Atrium																										
Registration desk / concierge	SC Mezzanine																										
Annual Meeting and Board/Council Meeting	R1020																										
Poster and Art Display	SC2013																										
Walking Trail Tour	← Various Trails (Bus at Merlin House)																										
AstroCATS	J3 Exhibit Hall																										
Planetary Surface Rover	J3 Exhibit Hall																										
Lunch	Oasis (Grinders)																										
Jet Cockpit Display	Grassy knoll																										
Free Ice Cream While it Lasts	← Outside R1020																										
HST Part Display	SC2012 & 2014																										
Meteorite display	SC2012 & 2014																										
Papers, Presentations, Panels (Session 3)	R1020																										
Charles Ennis	← R1020																										
Ron MacNaughton	← R1020																										
Randall Rosenfeld	← R1020																										
Michael Watson	← R1020																										
Poster and Art Display Judge deliberation	← R1020																										
AstroCATS draws	← J3 Exhibit Hall																										
Awards for the Poster and Art	← J3 Exhibit Hall																										
AstroCATS vendor move out	← J3 Exhibit Hall																										
Group Photo	← Oasis (18:15 sharp)																										
Banquet and Awards	Oasis																										
D2's Hospitality Suite	Merlin R3410																										
SkyShed road trip	Wayne Parker's →																										

MONDAY

Monday May 23, 2016																											
	07 ³⁰	08 ³⁰	09 ³⁰	10 ³⁰	11 ³⁰	12 ³⁰	13 ³⁰	14 ³⁰	15 ³⁰	16 ³⁰	17 ³⁰	18 ³⁰	19 ³⁰	20 ³⁰	21 ³⁰	22 ³⁰	...										
Breakfast for residence guests	← Merlin Atrium																										
Registration desk / concierge	SC Mezzanine																										
Museum Tour	Various locations																										
Walking Trail Tour	← Various Trails (Bus at Merlin House)																										
SkyShed road trip	Wayne Parker's →																										

ASTROCATS SPONSORS / EXHIBITORS / VENDORS

Celestron - Gold Sponsor *
 D3-3 Dreams - Sponsor
 ADM Accessories
 Andor Technology
 ARGO
 Astro-Physics
 ATIK Cameras
 Chris Hysinger (Orbital Traction) *
 ExploraDome

MallinCam - Gold Sponsor
 First Durham Insurance & Financial
 Hutech Corporation
 Kendrick Astro Instruments
 Knightware
 Ontario Telescope
 O'Telescope
 Prism America Inc.
 SGP Imaging Software *

Quartet - Bronze Sponsor *
 Simulation Curriculum
 Sky Shed Observatories
 SkyNews / RASC
 Software Bisque
 Takahashi America *
 * Non Exhibitor - Door Prize(s)
 &/or Auction Item(s)
 List as of May 10th

Thank you to our Exhibitors for their support, without which AstroCATS could not exist!
 A special thank you to our Sponsors for their generosity and support this year. They never cease to amaze and this year was no exception!
 Thank you to the volunteers who gave of their time and skills to help AstroCATS run smoothly and efficiently!

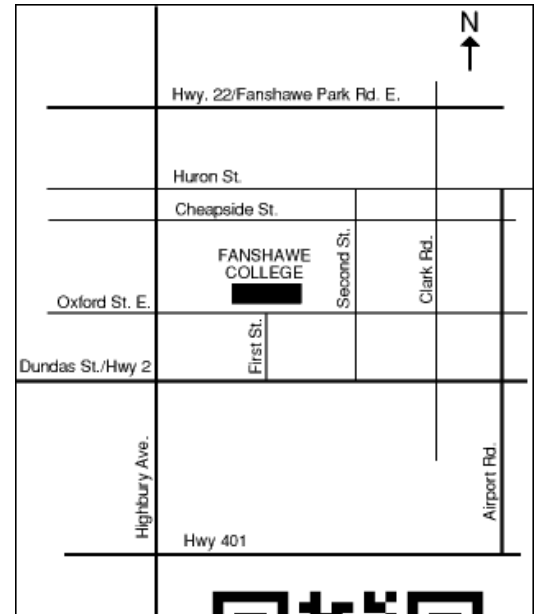
Where to Eat OFF Campus

Dine-In

- ☉ Tuscano`s Pizzeria & Bistro *
1579 Oxford St
- ☉ Carey's Bar & Grill *
1569 Oxford St E
- ☉ Swiss Chalet
1141 Highbury Ave N
- ☉ Pizza Hut
1326 Huron Ave
- ☉ Kelsey's
900 Oxford St E
- ☉ Norma Jean's
1332 Huron St
- ☉ Archie's Seafood
1348 Huron St
- ☉ Crabby Joe's Tap & Grill
1449 Dundas St
- ☉ East Side Mario's
1915 Dundas St

Fast Food

- ☉ Nick's Souvlaki *
1567 Oxford St E
- ☉ Marvellous Pizza & Wings *
1569 Oxford St E
- ☉ Gino's Pizza *
1631 Oxford St E
- ☉ Tim Hortons
1460 Oxford St E
1181 Highbury Ave N
- ☉ Burger King
1295 Oxford St E
- ☉ Harvey's
1141 Highbury Ave N
- ☉ Taco Bell
1145 Highbury Ave N
- ☉ Dairy Queen
1160 Highbury Ave N
- ☉ McDonalds
1159 Highbury Ave N



<http://www.londontourism.ca/>

* across from Fanshawe College, on Oxford St, between 1st St and 2nd St. / Fanshawe College Blvd.

Where to Eat ON Campus

- ❖ Oasis – Student Centre, 1st floor
- ❖ Tim Hortons - Food Court (Junction of D, E & F Buildings) - Friday 7:00am - 5:00pm, Saturday 8:30am - 2:00 pm. Closed Sunday & probably Monday. (Hours subject to change. Tim's may be closed for the Holiday weekend). Subway is in the Food Court, as well, and may be open on Friday
- ❖ Fresh Fruit Stand – F-Building 1st floor in front of the Bookstore – Thursday mid-day

Other GTK OFF Campus

- ❖ Beer Store - 1600 Dundas St E (2 Km S of Fanshawe College, just E of First St)
- ❖ Liquor Store (LCBO) - 900 Oxford St E (Kelsey's plaza, across from Real Canadian Superstore, 3.3 Km East)
- ❖ Variety - 7 Eleven beside Tuscano's and Mac's at First St & Oxford St (Across from B-Building)
- ❖ Pharmacy - Shoppers Drug Mart on Highbury Ave just S of Huron St (2.4 Km N of Fanshawe College)
- ❖ Nearest Gas Stations - Shell and Esso on Highbury Ave at Cheapside St

Did You Know? On 2016-05-03, the RASC Board of Directors voted to approve the application from the Yukon Astronomical Society to become the RASC Yukon Centre? Let's give a big "Welcome" to our 29th Centre!

PRESENTERS

	<u>Location</u>	<u>Date & Time</u>
Robert Jedicke	R-Building R1020	Thu. 20:00
Erika Rix	M-Building M3039	Fri. 13:00
Jeremy Hansen	D-Building D1060	Sat. 09:00
Tina Pollmann	D-Building D1060	Sat. 09:45
Robert Jedicke	D-Building D1060	Sat. 10:30
David H. Levy	D-Building D1060	Sat. 11:15
Stan Metchev	D-Building D1060	Sat. 13:00
Erika Rix	D-Building D1060	Sat. 13:45
Peter G. Brown	D-Building D1060	Sat. 14:30
Ann Hornschemeier Helen Sawyer Hogg Memorial Lecture	D-Building D1060	Sat. 16:00
Charles Ennis	R-Building R1020	Sun. 13:00
Ron Macnaughton	R-Building R1020	Sun. 13:30
Randall Rosenfeld	R-Building R1020	Sun. 14:00
Michael Watson	R-Building R1020	Sun. 14:30

ACKNOWLEDGMENTS

Many people deserve thanks for their hard work in making this General Assembly & AstroCATS a reality. Special thank you to Rick Saunders and Western U. Astronomy. Thanks also to all the wonderful volunteers who helped out during the weekend with the registration, hospitality, tours, hikes, transportation, workshops, AstroCATS, venues, meals, et al. Thank You!!

ORGANIZING COMMITTEE

David L. Clark (Co-chair)
 Andy Blanchard (AstroCATS Chair)
 Angela M. Clark
 Everett Clark
 Eric Clinton
 Mike Costa
 Robert Duff
 Mike Flegel
 Bill Gardner
 Steve Gauthier
 Mike Hanes
 Rebekah Klassen

Peter Jedicke (Co-chair)
 Rick Saunders (London Centre President)
 Kai Hutchence
 Tyrone Klassen
 Craig Levine
 Norman McCall
 David McCarter
 Philip J McCausland
 Joe O'Neil
 Pete Raine
 Chris Sandelli
 Patrick Whelan

