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Monday, May 10, 2021 - 21:30 - 23:30 EDT Monday, May 10, 2021 - 19:30 - 21:30 MDT The Dragonfly Telephoto Array - Edmonton Centre Presented by Deborah Lokhorst

New eyes to reveal the faintest and largest structures in the Universe RASC Regular Meeting, May 10, 2021. At 7:00 PM there will be a Meet and Greet, followed by the meeting at 7:30 PM including guest talk, News from Space, AstroImaging Corner, and other RASC

news. This event is FREE and open to the public!

Tuesday, May 11, 2021 - 15:30 to 17:00 EDT Insider's Guide to the Galaxy: Galaxies in Plain Sight It's New Moon time! Usually to find galaxies you have to carefully study a star chart, point your telescope at the right patch of sky, and then try to see and focus on a fuzzy patch amid total

blackness. But Chris has a trick up his sleeve! He'll be helping us easily find galaxies using nextdoor-neighbour stars that guide us

right to them. Bring a notebook; you'll want to go out observing right after this session!

Register for Insider's Guide to the Galaxy Tuesday, May 11, 2021 - 19:30 to 21:30 EDT Helen Sawyer Hogg Prize Lecture: Prof. Andrea Ghez

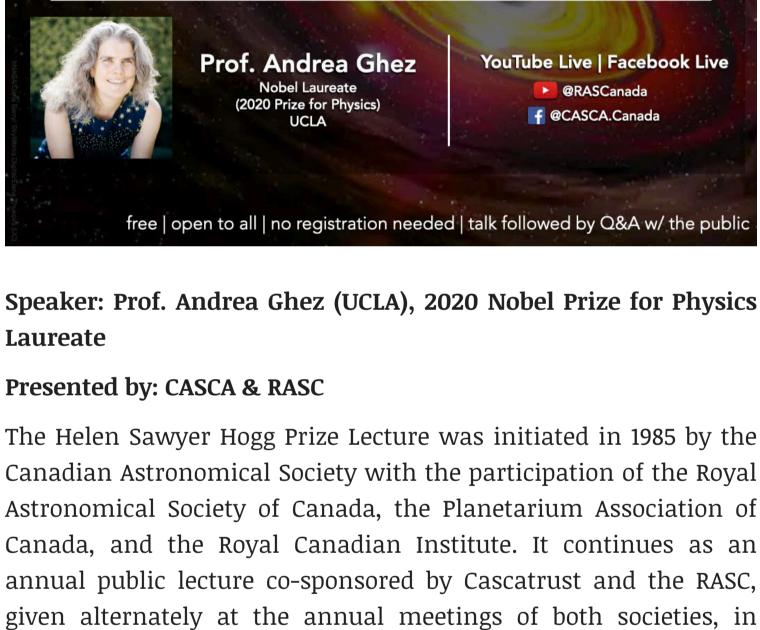
> The Canadian Astronomical Society and the Royal Astronomical Society of Canada present the 2021 Helen Sawyer Hogg Prize Lecture

From the Possibility to the Certainty

of a Supermassive Black Hole

May 11 2021, 7:30 PM (Eastern)

(2020 Prize for Physics)



This year's speaker is Prof. Andrea Ghez (UCLA), 2020 Nobel Prize for Physics Laureate for her contribution to the discovery of the

supermassive black hole Sagittarius A* located at the centre of our Join Helen Sawyer Hogg Prize Lecture FACEBOOK livestream Join Helen Sawyer Hogg Prize Lecture YOUTUBE livestream

targets, like Luna 2 and Apollo 15, **REGISTER TODAY!** the Apollo mission with the first Visit www.rasc.ca for more information use of the LRV (astronauts could do donuts on the Moon, instead

Register for the Moon at Noon

of in abandoned parking lots).

The monthly gathering of the Winnipeg RASC will take place with • Beginners' Session • Main Presentation • Break

Observatory (MRO) – An inexpensive "doghouse" style fully robotic and LIVE web browser accessible observatory (that you or your club could build)

Register for Winnipeg Monthly Meeting

Friday, May 14, 2021 - 19:00 to 20:45 PDT May 2021 Speaker: Ray Kostaschuk - Sunshine Coast Centre

Up and a lunar talk on "The Gang of Four."

Friday, May 14, 2021 - 22:00 to 23:45 EDT

hydrocarbons eroding a crust of water ice."

Fraser River.

Topic: Rivers of the Solar System

"A river is a channel system constructed by naturally flowing liquids moving towards an ocean, sea, lake or another river. Rivers create diverse drainage patterns and a stunning variety of erosional and depositional landforms that provide important clues to the climate and geological framework of the landscape. Active rivers flow on Earth and Titan and ancient rivers are common on Mars and Venus. Rivers on the rocky planets are created by water flowing

over rock or sediment but on Titan the rivers consist of liquid

Ray Kostaschuk, a geoscientist specializing in sedimentary

Jeremy Venditti and graduate students on sedimentation in the

Join May 2021 Speaker Saturday, May 15, 2021 - 10:00 EDT International Astronomy Day - Ottawa Centre Presented by Chris Teron

live scope views, other local astronomers will be giving short astronomy related presentations on various topics. This event is rain or shine, and is meant for people of all ages.

To attend the event you are required to pre-register using the link

below. Pre-registration is free and only takes a few minutes to

please

visit

complete. After completion you will be provided a link to attend the event. information on the event, For more the <u>astrodayottawa.weebly.com</u> website, or send us an email

at astrodayottawa@gmail.com.

Saturday, May 15, 2021 - 19:00 PDT Saturday, **May 15, 2021 - 22:00 EDT** International Astronomy Day - Victoria Centre The RASC Victoria Centre (RASC) and the Friends of the Dominion Astrophysical Observatory (FDAO) in Victoria are joining forces to host a celebration of International Astronomy Day on May 15th,

Register for International Astronomy Day

from our famous a capella choir, Vox Humana. Add in a Planetarium show and it will be a complete evening filled with lots of entertainment and astronomical discoveries. Please join us by registering for the Zoom event or stream on Youtube. Look for schedules and updated information on our two websites: www.victoria.rasc.ca and www.centreoftheuniverse.org Contact: Lauri Roche at roche.lauri@gmail.com.

Join Astronomy Day - Victoria Centre

leading off the event, followed by Outreach Stories and Imaging Stories with a short break between each Part. The night will end with an after-party where the audience can also join in to share their Astronomy stories. **Watch on RASC Montreal YT Channel**

Watch on Explore Alliance Platforms

Empathy, Positionality, & Creating Inclusive Environments

OCIETY

Having an inclusive community within RASC creates a culture where marginalized people can thrive. This workshop focuses on the value and practice of empathy within our environments, as well as how positionality influences our perceptions. Participants will learn how

individual awareness and insight.

Register for the workshop <u>here!</u>

Astroimage of the Week

(the seeing wasn't as good as I expected), although I think my goal of capturing the Encke gap is slipping away night by night... this year's opposition is on the low part of the ecliptic from northern skies, so Saturn has to punch through a lot of atmosphere to reach my latitude. Perhaps a vacation to the South Pacific is in order. Video taken with a T3i DSLR on an 8"SCT/AVX mount combo. Frame selection performed in PIPP, and frame stacking and post-

reduction, and stretching, mostly done using masks. Rings were

To see the large image, check out the **RASC AstroImaging Zenfolio**

processed separately from the planet disk."

page.

This Week's Observing Targets Tuesday, May 11, 2021 - 15:01 EDT **New Moon**

The Moon will located on the same side of the Earth as the Sun

This Week's Sky: May 10 to 16, 2021 After a new Moon allows for some galaxy hunting, the waxing crescent will pass by each of our Solar System's inner planets this week.

Click here to view full article

Member Highlight

MAAAAACE!

Join the Dragonfly Telephoto Array

recognition of the sustained and diverse contributions of Helen Sawyer Hogg to public appreciation of the universe around us. Galaxy, the Milky Way.

The Moon at Noon: Q0

We have a whopping 19 targets the RASC presents to cover this session, so we will spend lots of time focusing on how to find them! These include some optional lunar mission Thursdays at Noon ET.

Thursday, May 13, 2021 - 12:00 to 12:30 EDT

Friday, May 14, 2021 - 19:00 to 23:45 EDT Friday, May 14, 2021 - 18:00 to 22:45 CDT Virtual Monthly Meeting May 2021 - Winnipeg Centre this Agenda: Announcements What's New Main Speaker: Dave Lane, RASC Halifax Centre – The Mini-Robotic

Friday, May 14, 2021 - 19:30 EDT **Monthly Meeting - Kitchener-Waterloo Centre** Everyone is invited to attend the Waterloo Centre monthly meeting! Jim Goetz will present "10 Things I Like About Astronomy and why you can like them too!" We'll also have reports and presentations on recent comet activity, Astronomy News, What's

Register for the Monthly Meeting

processes in rivers, lakes and estuaries. He was a Professor in the Department of Geography at the University of Guelph for 25 years. He is currently an Adjunct Professor in the School of Environmental Science at SFU where he works with Professor

Virtual International Astronomy Day (vIAD) is a free all-day event hosted the Ottawa Chapter using the Zoom webinar platform. Throughout the day we will be providing a variety of live streams from different amateur astronomers in the Ottawa area. You will have an opportunity to see live video streams from different types of telescopes, showing views of the Sun, Moon, and deep-sky objects such as galaxies and globular clusters. In addition to the

2021 from 7 pm to 11 pm PDT. Our guest speaker, Dr Kim Venn, Professor of Astronomy and Director of the Astronomy Research Centre at UVIC will be giving a

presentation on "Fossils in our Galaxy". The fossils aren't the usual

dinosaur bones but very old stars that give us clues to the

We have the best of all worlds: solar telescope streaming early in

the evening, night sky EAA (Electronically Assisted Astronomy) as

the sky gets darker and live views of the deep sky from the historic

formation of the galaxy billions of years ago.

Plaskett Telescope at the DAO.

There will be virtual tours of the DAO and Centre of the Universe and a live streamed tour of the Telescope facilities at the University of Victoria. We also have special presentations of "Ask an Astronomer (or two)" and an Astrophotography Gallery with images taken by local RASC members with accompanying music

International Astronomy Day 2021 - Montreal Centre & Explore **Alliance** The RASC Montreal Centre will be co-hosting the 45th Global Star Party by the Explore Alliance. These Global Star Parties have been reaching audiences in the thousands, sharing our wonder of the Night Sky with enthusiasts of all ages. Over a dozen Montreal Centre members will share their experiences with the world during this year's International Astronomy Day event! The night's program will be divided into three parts: with Observing Stories

Saturday, May 15, 2021 - 19:00 to 23:00 EDT

STRONOMICAL ANADA The Inclusivity & Diversity Committee presents INCLUSIVE ENVIRONMENTS Hosted by: Dr. Nicole Cabrera-Salazar Saturday, May 15, 2021 @4pm

Registration Link:

http://bit.ly/RASC_MovementWorkshop

to establish and grow a community of practice while increasing

Art Cole We are featuring winners of RASC's AstroImaging Certificate. Winners will be featured in the banner of RASC Weekly. More information on the RASC AstroImaging Certificate is available <u>here</u>. **SATURN:** on 2014-06-22! "Captured seeing has been very poor lately, but tonight it finally calmed down enough for me to give Saturn a shot. I assembled this from a three-minute video I took with my T3i. I think it turned out pretty well processing was performed in Images Plus. Post-processing included statistical sharpening, edge sharpening, saturation boost, noise

and will not be visible in the night sky. This is the best time of the month to observe faint objects such as galaxies and star clusters because there is no moonlight to interfere.

θ2 Tau

Check out the sky this week on SkyNews:

makes us explorers.

Matthew Cimone has been a RASC member for a while and

cohosted the GA last year. He just started a YouTube channel that

he cohosts with a stuffed elephant talking about space! Together

the duo team up to talk about the cosmos, and the best of what

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