

CASCA 2018 Schedule

Tuesday, 22 May

		CASCA 2018 Registration (Pre-function)	Poster and Demo Setup (Oak Bay and Pre-function)
08:00	21:00	CASCA 2018 Registration	Poster and Demo Booth Setup

		Graduate Student Workshop (Saanich) Chair: Douglas Rennehan	CASCA Board of Directors Meeting (West Coast)	JCSA Meeting (Esquimalt)	CASTOR Meeting (Victoria)
09:00	10:30	Gemini Fast Turnaround Time	CASCA Board of Directors Meeting	JCSA Meeting	
10:30	11:00	Coffee Break			
11:00	12:00	Centralized Data Analysis			
12:00	12:30	Graduate Student Committee AGM			
12:30	14:00	Lunch			CASTOR Meeting (1PM - 5PM)
14:00	16:00	Industry PechaKucha with Coffee			
16:00	17:00	Speed Networking			
17:00	19:00	Industry Wine & Cheese Mixer			

		CASCA 2018 Opening Reception (Pre-function)
19:00	21:00	CASCA 2018 Opening Reception

CASCA 2018 Schedule

Invited Talks

Prize Lectures

Centennial Talks

Wednesday, 23 May

		Plenary Session 1 (Theatre) Chairs: Kim Venn and Karun Thanjavur
08:30	09:10	Opening Remarks <ul style="list-style-type: none"> Elder Victor Underwood "Welcome to the Territory" Presentation of Asteroid (402920) Tsawout plaque to Tsawout First Nations Chief Harvey Underwood Jamie Cassels (President, UVic) Greg Fahlman (NRC)
09:10	09:45	Peter Broughton: John Stanley Plaskett - Northern Star
09:45	10:20	Dennis Crabtree (NRC Herzberg): The Dynamics of the Milky Way and Other Highlights from the First 100 Years of the DAO
		Poster, Demo, and Sponsor Interactions (Pre-function and Oak Bay)
10:20	10:50	Poster, Demo, and Sponsor Interactions
		Centennial Session 1: Optical and Infrared Astronomy (Theatre) Chair: Harvey Richer
10:50	11:15	Ray Carlberg (University of Toronto): The First University Astronomy: Contributions of the DDO and UTSO
11:15	11:40	René Doyon (Université de Montréal): The OMM and Domestic Telescopes as Innovation Testbeds
11:40	12:05	Greg Fahlman (NRC Herzberg): CFHT - Canadian Astronomy at the Top of the World
12:05	12:30	Laura Ferrarese (NRC Herzberg and Gemini Observatory): Gemini - Access to Both Hemispheres
		Lunch Session 1 (Theatre)
12:30	14:00	Town Hall Lunch
		Plenary Session 2: TMT (Theatre) Chair: Michael Balogh
14:00	14:45	Christophe Dumas & Gary Sanders (TMT): The Thirty Meter Telescope: Science and Project Perspective

CASCA 2018 Schedule

Wednesday, 23 May (continued)

		S1: Instruments (Theatre) Chair: Michael Balogh	S2: Planets & Disks (Saanich) Chair: Christian Marois
14:45	15:00	Suresh Sivanandam (University of Toronto): Gemini IRMOS - A scientific and technical pathfinder for AO-fed, multi-object imaging spectroscopy	Nienke van der Marel (NRC Herzberg): Planet formation with ALMA: zooming in on transition disks in the Lupus star forming region
15:00	15:15	Rene Doyon (Université de Montréal): The SPIRou Legacy Survey	Ruobing Dong (University of Victoria): New ALMA View of the Protoplanetary Disk MWC 758
15:15	15:30	Anne Boucher (Université de Montréal): Simulations of High Resolution Transit Spectroscopy with SPIRou	Yutong Shan (Harvard University): Towards a Galactic Distribution of Planets: Lessons from Spitzer Binary Lenses

		Poster, Demo, and Sponsor Interactions (Pre-function and Oak Bay)
15:30	16:00	Poster, Demo, and Sponsor Interactions

		Plenary Session 3: Plaskett Medal and Dunlap Prize Lectures (Theatre) Chair: Roberto Abraham	Elementary/Middle School Teachers' Workshop (Esquimalt)
16:00	16:45	Plaskett Medal Lecture: Gwendolyn Eadie (McMaster) - Hierarchical Bayes and the Mass of the Milky Way	16:00 - 20:00 Presentations by: Julie Bolduc-Duval Dr. Pierre Chastenay Dr. Nick Claxton
16:45	17:30	Dunlap Prize Lecture: Kipp Cannon (University of Tokyo) - The Unlikely Dawn of Joint Gravitational-Wave and Electromagnetic Astronomy	

		Interaction Session with Cash Bar (Pre-function and Oak Bay)
17:30	18:30	Poster, Demo, and Sponsor Interactions

		CASCA Public Lecture (Theatre) Emcee: Roberto Abraham
20:00	21:00	Bob McDonald (CBC 'Quirks and Quarks'): What If Everything We Know Is Wrong?

CASCA 2018 Schedule

Thursday, 24 May

		Centennial Session 2: Radio Astronomy (Theatre) Chair: Brenda Matthews	Secondary School Teachers' Workshop (Esquimalt)
08:30	08:55	Tim Robishaw (NRC Herzberg): DRAO and ARO - The Foundations of Canadian Radio Astronomy	Presentations by: Julie Bolduc-Duval, Mary Beth Laychak, and Dr. Christa Van Laerhoven
08:55	09:20	Helen Kirk (NRC Herzberg): The Move to Higher Frequencies - Contributions of the JCMT	
09:20	09:45	Christine Wilson (McMaster University): ALMA - Canada in the first "World Observatory"	
09:45	10:10	Matt Dobbs (McGill University): Innovative Technologies in Radio Astronomy	

		Poster, Demo, and Sponsor Interactions (Pre-function and Oak Bay)
10:10	10:35	Poster, Demo, and Sponsor Interactions

		S3: Gravitational Waves & Compact Sources (Theatre) Chair: Ue-Li Pen	S4: Planets & Disks II (Saanich) Chair: Jason Rowe	Secondary School Teachers' Workshop (Esquimalt)
10:35	10:50	Michael Landry (CalTech): Observations of gravitational waves from binary coalescence	Sam Lawler (NRC): The Architecture of Planetary Systems	Continued
10:50	11:05		Kevin Stevenson (Space Telescope Science Institute): Latest Results From The Ultimate Spitzer Phase Curve Survey	
11:05	11:20			
11:20	11:35	Daryl Haggard (McGill University): Recent Discoveries in the X-ray Time Domain: Long Term Evolution of GW170817	Emily Deibert (University of Toronto): High-Resolution Ground-Based Transmission Spectroscopy of Warm Saturns	
11:35	11:50	John Ruan (McGill University): Our Rapidly-Evolving Understanding of the Non-thermal Afterglow of Neutron Star Merger GW170817	Steven Rogowski (Université de Montréal): Water detection, methane deficiency, and metallicity constraints for the atmosphere of the warm Saturn-mass exoplanet HAT-P-18b	
11:50	12:05	Melania Nynka (McGill University): NICER monitoring of magnetar 4U 0142+61 during outburst	Colin Goldblatt (University of Victoria): The generalized runaway greenhouse: implications for understanding terrestrial planet atmospheres	
12:05	12:20	Robert Main (University of Toronto): Pulsar emission amplified and resolved by plasma lensing in an eclipsing binary	Leslie Rogers (University of Chicago): Journey to the Center of the Super Earth (12:05 - 12:30)	

CASCA 2018 Schedule

Thursday, 24 May (continued)

		Lunch Session 2 (Theatre)	Lunch Session 3 (Saanich)
12:30	14:00	Gemini Lunch	SKA Lunch

		S5: CHIME (Theatre) Chair: Matt Dobbs	S6: Stars & Remnants (Saanich) Chair: Gregg Wade	Secondary School Teachers' Workshop (Esquimalt)
14:00	14:15	Richard Shaw (UBC): Probing Dark Energy with CHIME	Nicole St. Louis (Université de Montréal): Using Sitelle to learn about the evolution of massive stars	Continued
14:14	14:30			
14:30	14:45	Paul Scholz (NRC Herzberg): The repeating Fast Radio Burst and future prospects from CHIME/FRB	Megan Tannock (Western U): Weather on Other Worlds: The Three Most Rapidly Rotating Ultra-Cool Dwarfs	
14:45	15:00	Deborah Good (UBC): Creating and Calibrating CHIME/FRB, an FFT Beamforming Telescope	Chelsea Braun (University of Manitoba): A Chandra and XMM-Newton Imaging and Spectroscopic study of the Supernova Remnant RCW 103 (G332.4-0.4)	
15:00	15:15	Mateus Fandino (UBC): Cross Correlating the CHIME Pathfinder 21 cm Data with SDSS Quasars	Charli Sakari (University of Washington): The R-Process Alliance: Newly Discovered r-Process Enhanced Metal-Poor Stars in the Milky Way Halo	
15:15	15:30	Tristan Pinsonneault-Marotte (UBC): Cosmological Parameter Sensitivity Forecasts for CHIME	Yue Zhao (U. of Alberta): Identification of Faint X-ray Sources in the Globular Cluster M3	

		Poster, Demo, and Sponsor Interactions (Pre-function and Oak Bay)
15:30	16:00	Poster, Demo, and Sponsor Interactions

		Plenary Session 4: Beals Lecture and Executive Award (Theatre) Chair: Kim Venn and Roberto Abraham	Secondary School Teachers' Workshop (Esquimalt)
16:00	16:45	Beals Lecture: Mark Halpern (UBC)	Continued
16:45	17:30	Executive Award Presentation Greg Fahlman (NRC Herzberg): Canadian Astronomy - A Look Back to the Future	

CASCA 2018 Schedule

Thursday, 24 May (continued)

		NCOA Session (Theatre)	Interaction Session (Pre-function and Oak Bay)
17:30	18:30	<u>National Center for Optical-Infrared Astronomy Presentation and Discussion</u> (David Silva, AURA/NOAO)	Poster, Demo, and Sponsor Interactions

		Banquet at the Royal BC Museum	
19:00	22:00	Conference Banquet with a Welcome from the Lekwungen Traditional Dancers	

CASCA 2018 Schedule

Friday, 25 May

		Centennial Session 3: Space Astronomy & Instrumentation (Theatre) Chair: David Naylor
09:00	09:25	John Hutchings (NRC Herzberg): Canada's Place in Space Astronomy
09:25	09:50	Luc Simard (NRC Herzberg): Instrumentation as the Gateway to Great Science

		S7: Radio Initiatives (Theatre) Chair: James Di Francesco	S8: Stellar Halos (Saanich) Chair: Alan McConnachie
09:50	10:05	Bryan Gaensler (University of Toronto): CIRADA: The Canadian Initiative for Radio Astronomy Data Analysis	Guillaume Thomas (NRC Herzberg): Tracing the stellar halo with BHBS
10:05	10:20	Jessica Dempsey (East Asia Observatory): Submillimeter All-Sky: wide-field instrument futures at JCMT and beyond	Vincent Henault-Brunet (NRC Herzberg): Revisiting the evidence for intermediate-mass black holes in globular clusters

		Poster, Demo, and Sponsor Interactions (Pre-function and Oak Bay)
10:20	10:45	Poster, Demo, and Sponsor Interactions

		S9: AGN / Facilities (Theatre) Chair: Sarah Gallagher	S10: Cosmology (Saanich) Chair: Douglas Scott
10:45	11:00	Stephanie Juneau (NOAO): The Influence of Giant Black Holes on the Fate of Galaxies	Renee Hlozek (Dunlap Institute): Concordance Cosmology (and Canada!)
11:00	11:15		
11:15	11:30	Pavan Hebbar (University of Alberta): X-ray spectra of proposed AGNs in bulgeless galaxies	Alexander van Engelen (CITA): Gravitational Lensing of the CMB
11:30	11:45	Trystyn Berg (University of Victoria): COS-AGN: Probing the circumgalactic medium of AGN hosts	Simon Foreman (CITA): Gravitational Lensing of Line Intensity Maps
11:45	12:00	Doug Simons (CFHT): CFHT - Current Status and Future Plans	Kiyoshi Masui (University of British Columbia): Deficit of clustering in hydrogen intensity maps cross-correlated with galaxies
12:00	12:15	Michitoshi Yoshida (Subaru Director): Update from Subaru	Elizabeth Loggia (University of British Columbia): Replacing dark matter with a slow force
12:15	12:30	Pat Hall (York University): Canada and the Maunakea Spectroscopic Explorer	Joanna Woo (University of Victoria): The Link Between Galaxy Quenching and Morphological Transformation

		Lunch Session 4 (Theatre)	Lunch Session 4 (Saanich)
12:30	14:00	CFHT Lunch	CITA AGM

CASCA 2018 Schedule

Friday, 25 May (continued)

		S11: Space Astronomy (Theatre) Chair: Jeremy Heyl	S12: Galaxies (Saanich) Chair: Sara Ellison	History Session (Esquimalt) Chair: Dennis Crabtree
14:00	14:15	Patrick Cote (NRC Herzberg): CASTOR: A Flagship Canadian Space Telescope	Jan Cami (Western U.): The ESO diffuse interstellar band large exploration survey: First Results	Virginia Trimble (University of California Irvine & Queen Jadwiga Observatory): While Canada Built, Europe Burned: The Impact of WWI on Astronomy and relativity
14:15	14:30		Alessandro Boselli (Laboratoire d'Astrophysique de Marseille): VESTIGE: A Virgo Environmental Survey Tracing Ionised Gas Emission	
14:30	14:45	Els Peeters (Western University): The photochemical evolution of the interstellar PAH family with JWST: the JWST-ERS program on Photo-dissociation Regions.	Jielai Zhang (U. of Toronto): Enormous low surface brightness stellar disk observed with the Dragonfly Telephoto Array	Alan Batten (NRC Herzberg): What did Astronomers know in 1918?
14:45	15:00		Deborah Lokhorst (U. of Toronto): Tracing the cosmic web with Dragonfly	Don Morton (NRC Herzberg): Carl Beals and P-Cygni Profiles
15:00	15:15	Antoine Darveau Bernier (Université de Montréal): Transit spectroscopy with the Near-Infrared Imager and Slitless Spectrograph (NIRISS) of the James Webb Space Telescope (JWST)	Matthew Taylor (Gemini): Neighbourhood Watch: A Survey of Baryonic Structures in the Nearby Universe	George Wallerstein (University of Washington): The Metallicity of Short Period Type II Cepheids
15:15	15:30	John Hutchings (NRC Herzberg): Results from the Astrosat observatory	Ivana Damjanov (Saint Mary's U.): Constraints on the quiescent galaxy evolution from imaging and spectroscopy	
Poster, Demo, and Sponsor Interactions (Pre-function and Oak Bay)				
15:30	16:00	Poster, Demo, and Sponsor Interactions		
CASCA Business Meeting (Theatre)				
16:00	17:30	CASCA Business Meeting		
Interaction Session with Cash Bar (Pre-function and Oak Bay)				
17:30	18:30	Poster, Demo, and Sponsor Interactions		
DAO Centennial Celebration (Buses depart the VCC at 19:30)				
19:30	22:00	Dominion Astrophysical Observatory Centennial Celebration Cash bar, light snacks, and a birthday cake!		

CASCA 2018 Schedule

Saturday, 26 May

		Plenary Session 5 (Theatre) Chair: Karun Thanjavur and Roberto Abraham
09:00	09:30	Roberto Abraham (University of Toronto) - President's Message
09:30	10:15	Qilak Prize Lecture: Rob Thacker (Saint Mary's University) - Imagination's Gift
10:15	10:45	Elder Dr. Barney Williams: Education-The Key to Reconciliation

		Poster, Demo, and Sponsor Interactions (Pre-function and Oak Bay)
10:45	11:15	Poster, Demo, and Sponsor Interactions

		S13: Theory & Astroinformatics (Theatre) Chair: Karun Thanjavur	S14 : Star Formation & Planetary Systems (Saanich) Chair: Helen Kirk	EPO Session 1 (Esquimalt) Chair: Jim Hesser
11:15	11:30	Falk Herwig (University of Victoria): Large-scale simulations of stars and the challenges of the cyber world	Christian Marois (NRC Herzberg): The Gemini Planet Imager Exoplanet Survey and the Future of GPI	Nick Claxton (University of Victoria): Education for Reconciliation in Canada
11:30	11:45		Wes Fraser (Queen's University Belfast): The Grand Smack	
11:45	12:00	Hilding Neilson (University of Toronto): Rotation, Evolution and Period Change in classical Cepheids	Michelle Bannister (Queen's University Belfast): First arrival from afar: colours of the interstellar planetesimal Oumuamua	Jielai Zhang (University of Toronto): The West African International Summer School for Young Astronomers
12:00	12:15	Josef Rucska (McMaster University): Increased streaming instability growth rates from vertical dust settling	Laura Fissel (NRAO): The Relationship Between Magnetic Fields and Molecular Cloud Structure: A BLASTPol Study of Vela C	Dennis Crabtree (NRC Herzberg): Operating an Interpretive Center as part of Federal Government
12:15	12:30	Pauline Barmby (Western University): Big data in (little) galaxies: what can astroinformatics do for you?	Soumen Deb (University of Alberta): A Case Study of Triggered Star Formation in Cygnus X	James Hesser (NRC Herzberg): Fostering Local Awareness and Outreach Through Partnering With Museums: The DAO Centennial Experience
12:30	12:45		Ayushi Singh (University of Toronto): Virial Stability of Molecular Clouds: Direct Estimation of Gravitational and Kinetic Energy from Observations	

		Lunch
12:45	14:15	Meeting-Free Lunch

CASCA 2018 Schedule

Saturday, 26 May (continued)

		Centennial Session 4: Theory and Data Science (Theatre) Chair: Jim Hesser	EPO Session 2 (Saanich) Chair: Julie Bolduc-Duval
14:15	14:40	Ue-Li Pen (CITA): CITA: A Pillar of the Canadian Astronomical Community	Hilding Neilson (University of Toronto): Indigenist Astronomy: Reflections on developing and teaching an astronomy course centred around Indigenous Knowledges (14:15 - 14:30)
			Terry Bridges (Okanagan College): Two-Stage Exams: Make your exams into a learning experience (14:30 - 14:45)
14:40	15:05	David Schade (NRC Herzberg): The Canadian Astronomy Data Centre at age 32	JJ Kavelaars (NRC Herzberg): RECON: Studying the Outer Solar System through Citizen Science (14:45 - 15:00)
			Mary Beth Laychak (CFHT): CASCA Teacher Workshops: An International Collaboration (15:00 - 15:15)
15:05	15:30	Julie Steffen (AAS): AAS Publishing, Then and Now	

		Poster, Demo, and Sponsor Interactions (Pre-function and Oak Bay)
15:30	16:00	Poster, Demo, and Sponsor Interactions (Note: Poster papers that are not removed by 17:30 will be discarded.)

		Closing Activities (Theatre) Chair: Nicolas Cowan
16:00	16:20	Alexendra Reid (NSERC): NSERC News and Discovery Grant Competition Results
16:20	16:40	Award Presentations
16:40	17:00	Closing Remarks

Sunday, 27 May

		ACURA Meeting (Terrace Room, Marriott Hotel)
09:30	17:00	ACURA Meeting