



EDMONTON

MAY 26 & 27

LOGIC 2018

Paving the Path for a Career in Chemistry



PROGRAM

SATURDAY • MAY 26 • 2018

EDMONTON CLINIC HEALTH ACADEMY

LOWER LEVEL*

REGISTRATION	8:00 - 9:00 ECHA L1-190
WELCOME REMARKS	9:00 - 9:15
PLENARY: Dr. Mita Dasog <i>How I Learned to Stop Worrying and Love the Job</i>	9:15 - 10:00
SPEAKER: Dr. David Norman <i>Innovation Without Diversity is a Recipe for Complacency</i>	10:00 - 10:30
WORKSHOP A/B	10:30 - 12:00
LUNCH	12:00 - 13:15 ECHA L1-150
GROUP PICTURE	13:15 - 13:30 outside ECHA
WORKSHOP A/B	13:30 - 15:00
DOWN TIME <i>Options: Tour or Workshop C[‡]</i>	15:00 - 17:00 ECHA L1-150

Workshops facilitated by the talented individuals from the WinSETT Centre & the University of Alberta Sexual Assault Centre[‡]

Workshop A: Introduction to Negotiation *in* ECHA L1-140

Workshop B: Mentors vs Sponsors *in* ECHA L1-150

Workshop C: Sexual Harassment Bystander Intervention[‡]

** Please refer to page 12 for a building map*



FACULTY CLUB

SASKATCHEWAN ROOM

COCKTAIL RECEPTION	17:00 - 18:00
BANQUET DINNER	18:00 - 21:00
KEYNOTE: Dr. Margaret-Ann Armour	19:00

SUNDAY • MAY 27 • 2018

SHAW CONFERENCE CENTRE

SALONS 1 & 2*

WELCOME REMARKS	9:30 - 9:45 SALON 2
SPEAKER: Dr. Raychelle Burks <i>Light It Up!</i>	9:45 - 10:15
PANEL DISCUSSION: Dr. Jillian Buriak, Dr. Lisa Shipley, Dr. Reshma Singh, Dr. Hayley Wan	10:15 - 12:00
CLOSING REMARKS	12:00 - 12:30
LUNCH & NETWORKING	12:30 - 14:00 SALON 1

For more information regarding our invited guests and workshop facilitators, please refer to pages 4 - 9.

** Please refer to page 13 for a building map*

INVITED SPEAKERS

KEYNOTE

DR. MARGARET-ANN ARMOUR

Dr. Margaret-Ann Armour was educated at the University of Edinburgh (B.Sc. & M.Sc.) and the University of Alberta (Ph.D.). She then joined the Chemistry Department at the University of Alberta in 1979. For many years, she has been active in encouraging women to consider careers in the sciences and engineering, co-founding Women in Scholarship, Engineering, Science and Technology (WISEST) at the University of Alberta in 1982. Currently, she serves as Associate Dean of Diversity for the Faculty of Science and the chair for the board of the Canadian Centre for Women in Science, Engineering Trades and Technology (the WinSETT Centre). Amongst many recognitions, Dr. Armour was inducted as a member of the Order of Canada in 2006 and has been awarded 6 honorary degrees!



PLENARY

DR. MITA DASOG



Dr. Mita Dasog obtained her B.Sc. in 2009 from the University of Saskatchewan. She then moved to the University of Alberta to pursue her doctorate degree with Dr. Jonathan Veinot. After a short stay at Technical University of Munich as a Green Talents visiting scholar, Dr. Dasog went on to hold an NSERC post-doctoral fellowship with Dr. Nathan Lewis at the California Institute of Technology. She joined the Dalhousie University Chemistry Department in July 2016 as an Assistant Professor. Dr. Dasog has received numerous awards including the Canadian Council of University Chemistry Chairs (CCUCC) Chemistry Doctoral Award, the CSC Award for Graduate Work in Inorganic Chemistry, a "Top 25" Global Young Scientists in Sustainable Research award sponsored by the German Federal Ministry, and was recently listed among top 150 Canadian women in STEM fields by hEr VOLUTION, a non-profit organization focused on the advancement of young women in STEM fields.

DR. DAVID NORMAN

Dr. David Norman obtained his B.Sc. degree in Chemistry and Biology in 2001 from Mount Allison University under the supervision of Dr. Steve Westcott. He received his Ph.D. in Inorganic Chemistry in 2006 under the supervision of Dr. Jeffrey M. Stryker at the University of Alberta, where he also co-founded and chaired the 1st Banff Symposium on Organic Chemistry. Dr. Norman completed a jointly funded Natural Sciences and Engineering Research Council of Canada and Royal Society USA/Canada Postdoctoral Fellowship position at the University of Bristol, England with Dr. Paul G. Pringle. He presently resides in Kingsport, Tennessee as the Technology Manager for the Specialty Plastics division at the Eastman Chemical Company, managing a \$1.3 billion portfolio and providing strategic input on organic and inorganic investment decisions. He has thirteen publications, twenty issued US patents, three children, one wife, and seven goldfish.



DR. RAYCHELLE BURKS



Dr. Raychelle Burks is an Assistant Professor of Chemistry at St. Edward's University in Austin, Texas. Dr. Burks completed her B.Sc. in Chemistry at Northern Iowa University in 2001, her M.Sc. in Forensic Science at Nebraska Wesleyan University in 2008, and her Ph.D. in Analytical Chemistry at the University of Nebraska in 2011. She then took up the position of Postdoctoral Research Associate at Doane College, where she also served as a Visiting Assistant Professor until 2016. A chemistry enthusiast, Dr. Burks hopes to ignite

her students' appreciation of chemistry through innovative projects, multi-media education tools, and probably far too many pop culture references. She helped create and organize *SciPop Talks!* and has appeared on the Science Channel's *Outrageous Acts of Science*, ACS Reactions videos, Royal Society of Chemistry podcasts, and at genre conventions such as DragonCon and GeekGirlCon.

PANELISTS

DR. JILLIAN BURIAK



Dr. Jillian Buriak began her career at Harvard University where she acquired her AB degree in 1990. She then moved to Université Louis Pasteur in Strasbourg, France to complete her Ph.D. before taking up a postdoctoral position at the Scripps Research Institute. Dr. Buriak began her professorship at Purdue University and joined the Chemistry Department at the University of Alberta in 2003. Shortly after, she was elected a Fellow of the Royal Society of Chemistry. Dr. Buriak holds the Canada Research Chair of Nanomaterials for Energy, and the Alberta Innovates Industry Chair in Solar Energy and

Solar Fuels. She was on the Board of Reviewing Editors (BoRE) at *Science* from 2003 to 2008, was an Associate Editor at *ACS Nano* from 2009 to 2013, and in 2014, became the Editor-in-Chief of the ACS journal *Chemistry of Materials*, where she leads a team of 21 associate editors and handles 6,000 papers per year.

DR. LISA SHIPLEY

Dr. Lisa Shipley is the Vice President of Pharmacokinetics, Pharmacodynamics and Drug Metabolism at Merck Research Laboratories. Prior to joining Merck in 2008, Dr. Shipley spent over 20 years at Eli Lilly and Company in roles of increasing responsibility including the positions of Executive Director, Lean Six Sigma and Vice President Drug Disposition, PK/PD and Trial Simulations. Dr. Shipley obtained her BA degree from McDaniel College and her Ph.D. in Pharmacology and Toxicology from the University of Maryland, Baltimore. Her postdoctoral training was conducted at the



Walter Reed Army Institute of Research as a National Research Council Fellow. She was awarded the 2001 Chairman's Ovation Award for leadership in motivating and developing people, the LRL President's Award for Diversity in 2007, the Chairman's Award in Environmental Health and Safety in 2013, and the NAFE Women of Excellence Healthcare Champion in 2017.

DR. RESHMA SINGH

After graduating with a B.Sc. in Chemistry from the University of Guyana in 2006, Dr. Reshma Singh spent three years working in the food industry as a Quality Control and Assurance Chemist. In 2009, she became a graduate student in Dr. Jed Harrison's research group at the University of Alberta. In 2015, she joined Agriculture and Agri-Food Canada (AAFC) as a Research Participant working on an Alberta Innovates grant entitled "Addressing food quality challenges in Alberta's aquaculture industry". Her focus was the detection and quantification of off-flavour compounds using Gas Chromatography-Mass Spectrometry. In 2016, Dr. Singh became a Federal Postdoctoral Fellow at AAFC's Lacombe Research Centre, with her work switching to the detection and identification of flavour compounds in meat.



DR. HAYLEY WAN



Dr. Hayley Wan began her chemistry career at Manchester Metropolitan University, England, where she completed a B.Sc. in Chemistry and Biology. She pursued a MPhil. at the University of Manchester in the area of Organic Chemistry. This was followed by a Ph.D. in the group of Dr. Andy Whiting at the University of Durham. She then joined the group of Dr. Fred West at the University of Alberta where she completed a two-year postdoctoral fellowship. Following this, she took a position with the National Research Council of Canada as a

Technical Officer before returning to academia as a Research Associate in the area of lipid chemistry and bio-based materials. In 2009, Dr. Wan joined the University of Alberta Chemistry Department as the Director of Undergraduate Organic Chemistry Laboratories. Since then, her dedicated mentoring has inspired thousands of students. Her efforts have been recognized with several awards, including the Faculty of Science Service Award in 2015 for Excellence in Teaching and Research and the Instructor of the Month Award in April 2017.

WORKSHOPS

FACILITATORS

EDNA DACH, M.Ed., PMP



Edna has extensive experience working in the education field as Director of Technology Services for Elk Island Public Schools and as Education Manager for Alberta Education. She is a recognized presenter and has shared her experiences with a wide variety of audiences locally, nationally, and internationally. In recognition of her work, the Alberta Teachers Association presents an annual award, "The ETC Edna Dach Educator of the Year Award" to a classroom teacher and/or technology leader in an educational setting who works to promote technology in

education. Edna works with a variety of boards including WISEST (Women in Scholarship, Engineering, Science and Technology), WITT (Women in Trades and Technology) and SkillsCanada Alberta. She has been recognized with the Alberta Centennial Medal and the Queen's Diamond Jubilee Medal for her community and volunteer work.

KANDIS NETH, P.Eng., EMR

Kandis holds a B.Sc. from the University of Alberta, with a specialization in Chemical Engineering (Co-op) and is certified as a Master Instructor and Adult Educator from NAIT. Kandis is an avid life-long learner and has found her passion in facilitating adults, so much so that she is currently completing her Master of Education, specializing in Adult Education. Kandis continues to maintain her licenses as both a Professional Engineer with the Association of Professional Engineers and Geoscientists of Alberta (APEGA) and as an Emergency Medical Responder (EMR) with the Alberta College of Paramedics. Kandis has received extensive training in communication, leadership, and crisis intervention during her time as a volunteer with the Edmonton Police Service's Victim Services Unit and is currently leading her own consulting company, R3K Consulting.



WORKSHOP A: INTRODUCTION TO NEGOTIATION

In this 90 minute workshop, participants will discuss different aspects of negotiation. By the end of the session, attendees will be able to:

- ▶ Understand gendered aspects of negotiation
 - ▶ Identify the 5 negotiating styles
 - ▶ Apply the 5-stage negotiating model in your future interactions
 - ▶ Learn tips & techniques to build your confidence as a negotiator
-

WORKSHOP B: MENTORS vs SPONSORS

This 90 minute workshop will address different types of leadership skills and how this affects relationships with mentors and sponsors. The session will cover:

- ▶ Context of leadership skills
- ▶ What is mentorship & sponsorship?
- ▶ Why are they important?
- ▶ Are they different for women?
- ▶ Where are you on the mentorship/sponsorship scorecard?
- ▶ What strategies can make you successful at both?

Please check your conference bag for the workshop materials & ensure you have completed the WinSETT Centre Consent and Release form.

SPONSORS

PLATINUM



Natural Sciences and Engineering
Research Council of Canada

Conseil de recherches en sciences
naturelles et en génie du Canada

Canada



UNIVERSITY OF ALBERTA
FACULTY OF SCIENCE



MERCK

INVENTING FOR LIFE

GOLD



UNIVERSITY OF ALBERTA
DEPARTMENT OF CHEMISTRY



GILEAD



Chemical Education Fund

EASTMAN



**NSERC
CRSNG**

Chairs for Women in Science and Engineering
Chaires pour les femmes en sciences & génie

Réseau National Network

BC & Yukon | Prairies | Ontario | Québec | Atlantic



CCUCC

Canadian Council of University Chemistry Chairs /
Regroupement des directeurs des
départements de chimie du Canada



nanalysis



CIC
Edmonton Section



Canadian Society for Chemistry | *For Our Future*

CSC Diversity Fund
Macromolecular Science & Engineering
CSC Division

BRONZE



Synthesis, Med Chem & Integrated Drug Discovery
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Biological & Medicinal Chemistry
CSC Division

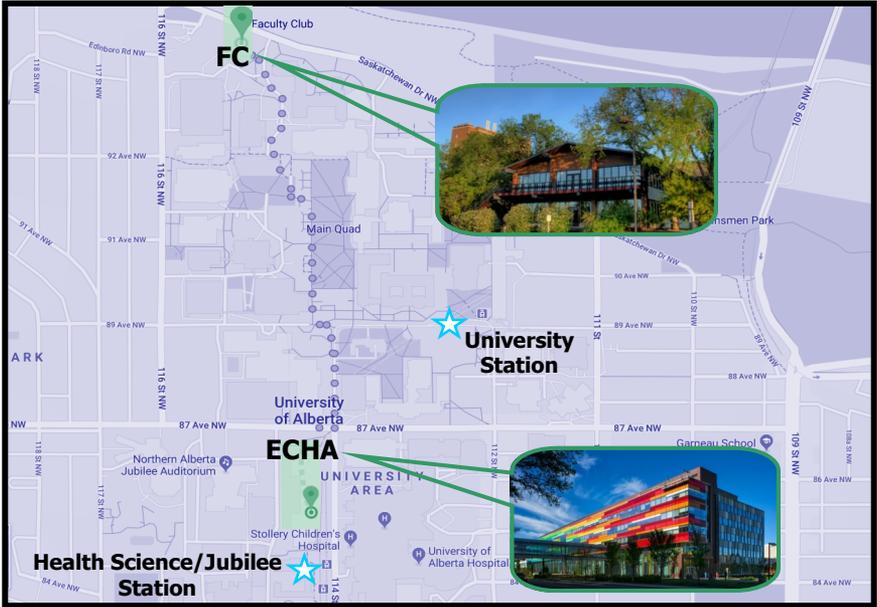


Inorganic Chemistry
CSC Division



Materials Chemistry
CIC Division





ECHA: Edmonton Clinic Health Academy ☆ Light Rail Transit Stations
 FC: Faculty Club



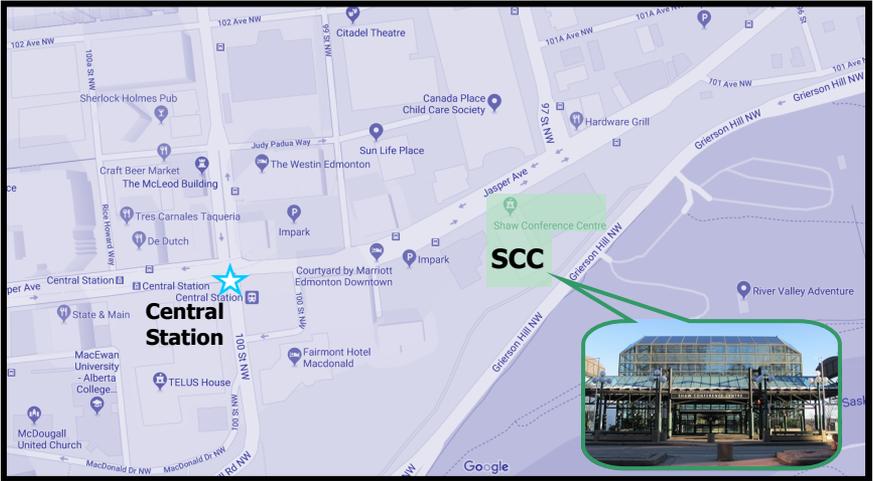
Edmonton Clinic Health Academy

📖 Registration Desk

140 L1-140: Workshop A

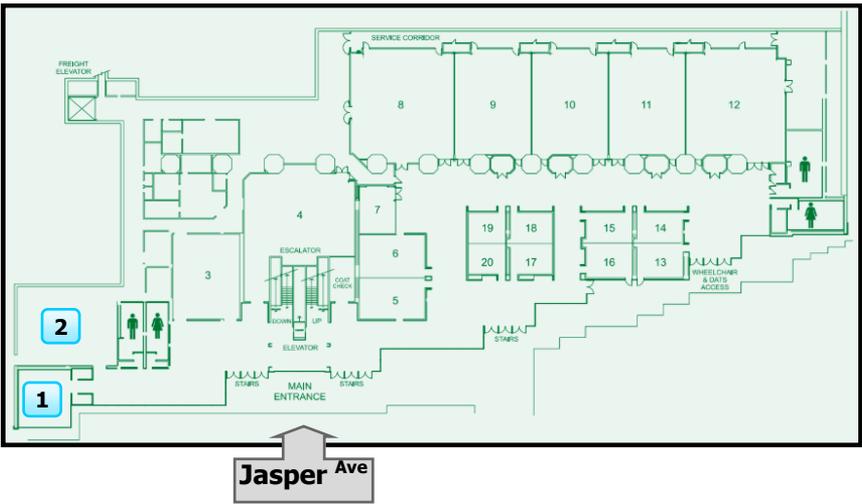
150 L1-150: Workshop B, Lunch, Workshop C

190 L1-190 : Main Lecture Hall



SCC: Shaw Conference Centre

★ Light Rail Transit Station



Shaw Conference Centre

- 1** Salon 1: Lunch & Networking
- 2** Salon 2: Main Hall



ACKNOWLEDGEMENTS

We would like to acknowledge the dedication of the wonderful team that helped plan this retreat.

CO-CHAIRS

Meagan Oakley & Sorina Chiorean

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Women in Chemistry*



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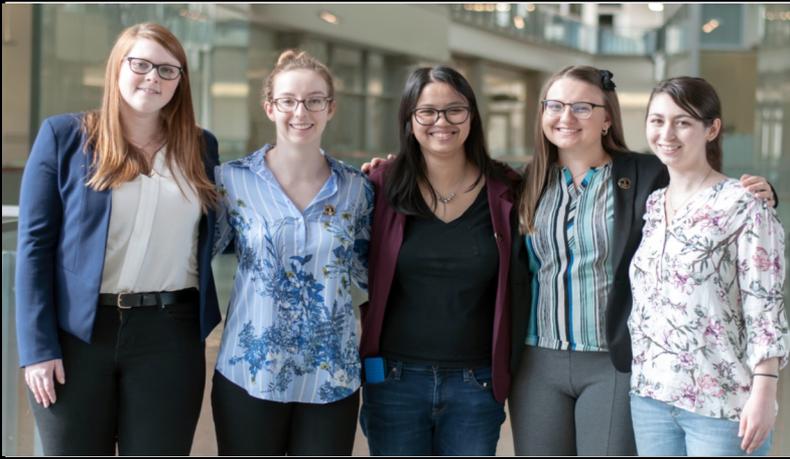
BEHIND THE SCENES

Aaron Zidichouski, Randy Sanichar

"Individually, we are one drop.

Together, we are an ocean."

-Ryūnosuke Akutagawa



We would like to thank the incredible volunteers, sponsors, and speakers that have made this event possible. We were able to bring our vision to life with your support and we look forward to future collaborations. We hope you have enjoyed your time with us!

- Meagan, Jocelyn, Rochelin, Sorina & Regina
WIC Executive Team 2018

Paving the Path for a Career in Chemistry

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2018 **LOGIC**
Edmonton, AB

Leaders Overcoming Gender Inequality in Chemistry