



CEEA Conference 2017

Monday, June 5th Sessions

8:00-9:00

BA Lobby

Registration and Breakfast

9:00-9:30

BA1160 Greg Evans, Cheryl Regehr and Christina Amon

Opening Remarks

9:30-10:30

BA1160

Debbie Chachra

Introduced by Jason Foster

Keynote: Rethinking Engineering Education

10:30-10:45 Break

10:45-12:00 Session A

BA1200

Engineering Ecosystems and Communities: Education, Leadership, Entrepreneurship and Professional Practice

Beth-Anne Schuelke-Leech
Annie Simpson, Doug Reeve, Mike Klassen and Greg Evans

Andrew Roncin, Ron Britton and Grant Koropatnick
Marnie V. Jamieson and John M. Shaw

Moderated by: Marnie Jamieson

Innovation, Industry Engagement, and Entrepreneurship in Engineering Programs
Holding the Crucible: Growing a Portfolio of Engineering Leadership Elective Courses and a Community of Educators
Professional Practice and Engineering Interns: Three Cases for Discussion
Applying Metacognitive Strategies to Teaching Engineering Innovation, Design, and Leadership

BA1210

Insights on Capstones from Aerospace Engineering

Ronaldo Gutierrez, Lixin Liu, Dalvir Singh, Catharine Marsden and Yong Zeng

Amirali Omni, Yong Zeng and Catharine C. Marsden
Andrea Cartile, Catharine Marsden and Yong Zeng

Shahriar Taheri, Yong Zeng and Catharine C. Marsden

Moderated by: Cathrine Marsden

Which Design Methodologies are Effective to Support a Capstone Project in Aerospace Design Engineering?
Design Problem Perception in Engineering Design Teams
Aircraft Design - A Case Study on an Alternative Engineering Undergraduate Capstone Final Year Project
Measuring the Effectiveness of Student Learning in an Aerospace Engineering Capstone Project

BA 1230

1st Year Initiatives and Innovations

Peter Ostafichuk, Carol Jaeger and Agnes d'Entremont

Igor Ivkovic, Thomas L. Willett, Matthew J. Borland and Maud Gorbet

Carol Jaeger and Peter Ostafichuk
Vicki Komisar, Jason Foster and Robert Irish

Moderated by: Jason Foster

How First Year Engineering Students Select Their Specialization and How We Can Better Support Them
Design Days Boot Camp: Enhancing Student Motivation to Start Thinking in Engineering Design Terms in the First Year
A Framework for Exploring Ethical Dilemmas in a First Year Engineering Course
Teaching Credible Verification and Validation Methods to a Large, First-year, Multidisciplinary Engineering Design Course

BA 1240

Communication, Coaching, and Mentoring in the Engineering Curriculum

Mike Murphy and Gabriel Potvin

Alexandros Dimopoulos, Kush Bubbar, Roslyn Gaetz and Peter Wild
Andrew Milne, Mehrdad Pirnia, Rania Al-Hammoud, Jason Grove, Derek Wright, Michele Bristow and Natalie Chow

Moderated by: Deborah Tihanyi

Language as an Engineering Learning Tool: Integration of Language and Engineering Education for First-Year International Students to Improve Both Technical Learning Outcomes and Communication Skills
Training Teaching Assistants to be Coaches
Three Quarters of a Loop: Co-op Work Term Evaluations and Work Reports to measure the Communication Attribute

12:00-13:00 Lunch

13:00-14:15 Session B

BA1200

Education Practices and Methods: Leadership, Teamwork, and Engagement I

Peter Ostafichuk and Carol Jaeger

Grant McSorley, Amy Hsiao and David Taylor
Minha Ha and Aleksander Czekanski
Yoann Guntzburger, Thierry C. Pauchant and Philippe A. Tanguy

Moderated by: Marnie Jamieson

Power of Peers: Experiences Using an Online Peer Assessment Tool to Grade Student Work
Peer Learning and Leadership in Engineering Design and Professional Practice
Relational Leadership in Design Projects
Empowering Engineering Students in Ethical Risk Management

BA1170

Insights from Across the Academy

Kush Bubbar, Alexandros Dimopoulos, Cynthia Korpan and Peter Wild

Bahar Memarian and Susan McCahan
Kamran Behdinin, Mahi Fahimian and Remon Pop-Iliev

Sasha Gollish, Deborah Tihanyi, Stacy Costa, Behar Memarian, Kimia Moozeh, Darlee Gerrard and Kristin Newfield
Natasha Lanziner, Hannah Smith and David Waller

Moderated by: Alan Chong

Teaching Assistant Consultant Program in Engineering at The University of Victoria
Development and Validation of Descriptors for Universal Problem Solving Rubric
A Tool for Systematically Accessing the Design Engineering Efforts: Design Readiness Level
Experiencing Engineering Education: An analysis of the experience of the comprehensive doctoral examination in a unique collaborative graduate program
Reflections from Teaching Assistants in Combined Learning Assistant and Course Grader Roles in Design Courses

Alan Chong Moving Beyond the Boundaries of Engineering Communication: Teaching Media Savviness to Engineering Students

BA 1230 Moderated by: Gordon Stublely

Finetuning Teaching
 Brian Dick
 David King, Brendan Montgomery, Matt Sippert and Naraig Manjikian
 Juan Abelló and Douglas Ruth
 Promoting Inter-cultural Exchange through an Engineering Design Project
 A Student-Designed Laboratory Companion Board for a Course on Microprocessor Interfacing and Embedded Systems
 Comparison of student performance when solving a thermodynamic cycle after implementing an alternative teaching method

Mohamed Galaleldin, Hanan Anis, Patrick Dumond and David Knox
 Ahmad Khanlari
 Scaffolding Strategies for Teaching Product Development and Engineering Design in a Collaborative Project Based Learning Environment
 Knowledge Building in Robotics for STEM education

BA 1240 Moderated by: Tom Coyle

Supporting Online Learning I
 Jonathan Verrett
 Mohammed Taboun and Robert Brennan
 Agnes d'Entremont, Patrick Walls and Peter Cripton
 Eline Boghaert, Jason Grove, Marios Ioannidis, Felicia Pantazi and Mary Power
 Angela van Barneveld
 Open Educational Resources in Material and Energy Balances
 Assessing the Efficacy of Online Lecture Modules in a Core Mechanical Engineering Undergraduate Course
 Student Feedback and Problem Development for WeBWork in a Second-year Mechanical Engineering Program
 Student and Faculty Experience with Blended Learning in a First-Year Chemistry for Engineers Course
 Online Learning: Best Practices in Practice

14:15-14:30 Break

14:30-15:45 Session C

BA1200 Moderated by: Marnie Jamieson

Education Practices and Methods: Leadership, Teamwork, and Engagement II
 Hami Yousefdehi, Artur Alves and Govind Gopakumar
 Patricia Kristine Sheridan, Adam Goodman, Todd Murphy, Doug Reeve and Greg Evans
 Genevieve Hoffart, Katherine Gibbard, Tom O'Neill, Anders Nygren and Bill Rosehart
 Albert Huynh and Mike Klassen
 Reviewing a Decade of Research on Engineering Leadership
 Behavioural Differences of High and Low Performing Teams: A Multi-institutional Study of First-year Engineering Design Teams.
 Assessing and Developing the Individual and Team Work Attribute
 Teaching Societal Leadership Through Design: Case Study of a Cohort-Based Engineering Leadership Program

BA1170 Moderated by: Michelle Spence

Taking Advantage of New Teaching Spaces and Opportunities
 Jordan Daniow and Mike Klassen
 Glenys MacLeod
 Agnes d'Entremont, Patrick Kirchen, Naoko Ellis, Cristian Grecu and Sheldon Green
 Supporting Engineering Students to Influence Organizational Culture in Student Clubs
 What Might Education Learn from Engineering?
 The Art of the Possible: Developing a course to introduce engineering to non-engineers

BA 1230 Moderated by: Kamran Behdinan

Design from Abstract to Concrete
 Filippo Salustri and Patrick Neumann
 Claire Davies, Elizabeth Delarosa, Susanne Murphy and Catherine Donnelly
 Alyona Sharunova, Mehwish Butt, Jason Carey, Suzanne Kresta, Samer Adeep, Loren Wyard-Scott, Lucienne Blessing and Ahmed Qureshi
 Olivier St-Cyr, Andrea Jovanovic and Mark Chignell
 Creating a Human-Centric Engineering Design Course
 Building Better Together: Engineering Design with Occupational Therapists and End Users
 Cognition and Transdisciplinary Design: An Educational Framework for Undergraduate Engineering Curriculum Development
 Designing the HCI Living Curriculum

BA 1240 Moderated by: Jeff Harris

Supporting Peer Learning
 Zbigniew Pasek
 Allan Mackenzie and Jan Boer
 Ralph Buchal
 Denard Lynch and Brad Schmid
 Teachability of Entrepreneurial Skills: Experience from a Joint Engineering-Business Large Class Experiment
 Co-designing Curriculum: First-hand Experiences of Undergraduates Creating Experiential Learning Activities for their Peers
 Collaborative Digital Design Notebooks
 Peer Evaluation: Enhancing learning Opportunities and Reducing Marking Effort

15:45-16:00 Break

16:00-17:15 Session D

BA1200 Moderated by: Marnie Jamieson

Developing and Assessing Professional Skills: Self Efficacy Leadership and Lifelong Learning
 Sadegh Babaii and Libby Osgood
 Hannah M. Smith and David S. Strong
 Marnie Jamieson
 Learning The Life Skill: CEAB Lifelong Learning Graduate Attribute
 Exploring Engineering Creativity and Student Extra-Curricular Activities: A Review of the Literature
 Unconference: Education, Leadership, Entrepreneurship and Professional Practice – How do We Create and Innovate the Future?

BA1170 Moderated by: Greg Evans

Expanding the Traditional Classroom: Novel Approaches to Engage Students
 Andrew Roncin
 Brenda McCabe
 Mike Klassen, Jason Bazylak and Patricia Sheridan
 Patrick Dumond
 Development of the Canadian Engineering Ethics Game: feedback from professional engineers
 Innovation in Construction Engineering Education
 Do Carrots Make You Strong? Motivational and Teamwork Effects of Gamification of Professional Development for First Year Engineering Students
 A Course Based Approach to Recognizing Student Efforts in Engineering Design Competitions

BA 1230 Moderated by: Lydia Wilkinson

Becoming an Engineering Professional I
 Allan MacKenzie and Fei Geng
 Enhancing Co-op and Career Development Activities through a Student-driven Mentorship Program

Angela van Barneveld
Lydia Wilkinson and Alison McGuigan
Joshua Woods and John Gales

Engineering Faculty Perceptions about the Impact of Professional/industry Experience on their Teaching Practice
Developing Graduate Professional Skills: A Course-based Approach for Academia-Industry Transfer

Teaching the Fundamentals of Civil Engineering Materials through Experiential Learning

BA 1240

Moderated by: Sanjeev Bedi

Discipline Specific Teaching Methods
Peter Teertstra and Sanjeev Bedi

Naraig Manjikian
Igor Ivkovic and Sage Franch

Christian Euler and Radhakrishnan Mahadevan

Backing Up a Trailer – An Application-based Vector Analysis Project for 2nd year Calculus
Experience with Capstone Projects based on ColdFire Microcontrollers
Using Augmented Reality and Holographic Technology in an Introductory Course on Data Structures and Algorithms
Synthetic Biology for Teaching Control Engineering A Case Study in a Student-Directed, Collaborative Environment

Tuesday, June 6th Sessions

8:00-8:30

BA Lobby

Registration and Breakfast

8:30-10:00

BA1160

Mary Wells and Val Davidson

Introduced by Lisa Romkey

Keynote: Creating an Inclusive Engineering Landscape to Ensure Everyone Thrives

10:00-10:15 Break

10:15-11:30 Session E

Cumberland House - Lawn

Sharing Circle on Indigenous Engineering Education in Canada

Moderated by: Elder Kim McDougall

* All Lightning Talks followed by panel

BA1160

Improving Student Engagement and Experience

Ilyas Mattmann
David Wang
Grace Couper and Jennifer Long

Scott Flemming

James Smith

Moderated by: Alan Chong

Increasing System Understanding and Motivation of Students by Using Novel Interactive Learning Methods in Large Courses
Engaging Engineering Students through a Flipped Classroom Model
Diversifying Engineering Classrooms through Video Interviews
Innovative Use of Media to Increase Student Engagement for a Large Second-year Core Course: "Engineering Economics"

Re-engaging Students by Teaching From the Middle and Back of a 500-seat Lecture Hall

BA2195

Learning from/with Peers

Gabriel Potvin
Elizabeth Maggs, Carol Hulls, Chris Rennick and Mary Robinson

Jeffrey Harris, Julia Filipic, Hema Nookala, and Nicholas Petrelli

Grant Mcorley

Andrea Bradford and Julie Vale

Andrew Sowinski and David Taylor

Moderated by: Jeff Harris

Incorporating Elements of Team-based Learning and Increasing Student Independence in a 4th Year Engineering Lab course to Promote the Development of Critical Thinking, Problem-solving and Troubleshooting Skills
How do First Year Students Form Their Project Teams?
A Reflection on Using Face-To-Face Peer Review as a Method of Providing Formative Feedback
Development of Peer Teaching Supported Design for X Modules for Senior Engineering Design Projects
Shifting Responsibilities: Using Peer Assessment in Senior Engineering Design to Provide Effective Support and Meaningful Feedback Despite Large Class Size
A Three-tier Evaluation Rubric for the Assessment of Group Projects in Chemical Engineering Design Courses

BA1200

Project-Based Teaching Strategies

Eugene Li, Chris Rennick, Carol Hulls, Michael Cooper Stachowsky, Eline Boghaert, Mary Robinson, William Melek and Sanjeev Bedi

Stacy Costa

J. Christopher Bouwmeester, Vicki Komisar and Arushri Swarup

Aurelio Stammitti Scarpone, Elodie Passeport, Greg Evans and Radhakrishnan Mahadevan
Shalaleh Rismani, Peter Ostafichuk, Carol Jaeger and Jonathan Nakane

Moderated by: Alex Czekanski

Tron Days: Horizontal Integration and Authentic Learning
Puzzles-Based Learning: An Approach to Creativity, Design Thinking, and Problem-Solving: Implications for Engineering Education.
Using Role-Playing Simulations to Teach Quality Control in the Design of Medical Devices
Experience on Implementing a Project for Educating Students on Runaway Reaction Dynamics
Using a Project on Assistive Technology to Teach CAD and Rapid Prototyping

11:30-12:30 Lunch

12:30-13:45 Session F

BA1200

Diversity, Inclusivity, and Accessibility I

Agnes d'Entremont, Kerry Greer and Katherine Lyon

Marcia Friesen and Jillian Seniuk Ciocek

Raveet Jacob and Keely Cook

Jennifer Long, Amin Reza Rajabzadeh and Allan MacKenzie

Moderated by: Chirag Variawa

Images of the Future: Gender and Portrayals of Faculty and Industry Members in Canadian Engineering School Recruitment Materials
Internationally-Educated Engineers' Insights into the Social Responsibilities Embedded into the Canadian Engineering Profession
Where Language and Engineering Meet: Fostering emerging engineering identities among international English language learners
Teaching Teamwork to Engineering Technology Students: The Importance of Self-reflection and Acknowledging Diversity in Teams

BA1220

Supporting Online Learning II

23 Samer Adeeb, Norma Nocente and Carol Brown

40 Marnie V. Jamieson and John M Shaw

Moderated by: Peter Weiss

An instructor's experience of implementing blended learning in engineering: challenges, advantages, and disadvantages
Student Satisfaction and Engagement with Blended Learning in Chemical Engineering Process Design

91 Peter Eliot Weiss and Jason Bazylak
157 Konstantinos Apostolou and Stephanie Bertolo

Online Evolution: Advantages and Challenges of Online Course Components
On-line Modules for Energy Balance Courses: Effectiveness Study

BA2195 Moderated by: Sean Maw

Supporting Student Success

15 Andrew Roncin, Michael Krywy, Joe Carey and Husam Elsaid
131 Denard Lynch
149 Andrew Sowinski, David Taylor, Gilbert Arbez and Marcel Turcotte

163 Sean Maw and David Smith

Analysis of Student Success Following the Completion of an Engineering Technology Access
Self Evaluation: Building Student Self-awareness and Competence
One-minute quizzes to identify potential students at risk in engineering courses
Supplementary Results of the CAIS-1 Survey on Cheating in Undergraduate Engineering Programs in Saskatchewan

BA1210 Moderated by: Jake Kaupp

Best Practices for Data Acquisition and Tracking

Natalie Simper, Brian Frank, Jake Kaupp and Nerissa Mulligan
Ajay Sivanand and Brian Frank

Jason Grove, Marios Ioannidis and Derek Wright
Mohamed Ismail

Using the CLA+ to Track Development of Cognitive Skills from First to Third year: Accessibility, and factors for success
Practices and Beliefs about Educational Data Usage

Describing and Measuring the Engineering Knowledge Based using Concept Domains
OBACIS Phase II: Data Collection and Accreditation Reporting

13:45-14:00 Break

14:00-15:15 Session G

BA1200 Moderated by: Chirag Variawa

Diversity, Inclusivity, and Accessibility II + Diversity Panel

Patricia Kristine Sheridan, Penny Kinnear, Greg Evans and Doug Reeve

Peter Eliot Weiss, Estelle Oliva-Fisher and Cori Hanson
Chirag Variawa

Value of Language Background on Idea Generation Sessions in First Year Engineering Design Teams
Assessing and Developing the Individual and Team Work Attribute
Unconference: Diversity, Inclusivity, Accessibility for Everyone

GB119 Moderated by: Jillian Seniuk Cicek

Faculty Level Graduate Attributes

Maria Orjuela-Laverde, Nasim Razavinia and Laurent Mydlarski
Derek Wright, Jason Grove, Rania Al-Hammoud, Andrew Milne and Mehrdad Pirnia

Aneta George Traikova and Liam Peyton

Jillian Seniuk Cicek and Sandra Ingram

Enhancing Lifelong Learning Awareness in the Faculty of Engineering at (redacted) University
Surveys for Simultaneous Direct and Indirect Assessment
Faculty Level Support of Graduate Attribute Assessment and Continuous Improvement Process
Investigating the Relative Importance of the CEAB Graduate Attributes: Study Design and Initial Findings

GB120 Moderated by: Deborah Tihanyi

Creativity in Engineering Education

Kai Zhuang
Ken Tallman and Christina Mei
Zbigniew Pasek

Omid Mirzaei, Paul Neufeld, Jade Knoblauch, Jessica Gerbrandt, Mark Runco and Sean Maw

Engineering Renaissance: Presenting A Conceptual Scaffold for Evolving Engineering Education
Creative Transfer in the Engineering Classroom
Helping Engineers Develop and Exercise Creative Muscles
Creativity in Design Engineers: Attitudes, Opinions and Potentially Influential Factors – Part II

BA2195 Moderated by: Michelle Spence

Building Coherent Curricula Across Courses and Programs

Sima Zakani, Jake Kaupp, Roderick Turner and Brian Frank
Sima Zakani, Jake Kaupp, Nerissa Mulligan, David Waller, Richard Hornsey, Roderick Turner and Brian Frank

William C.D. Degagne, Paul Labossiere, Douglas Ruth and Jillian Seniuk Cicek
Michel Couturier, Guida Bendrich and Francis Lang

Outcome Comparison Framework for Engineering and Technology
Comparing and Aligning Outcomes of Two Engineering and Technology Disciplines in Ontario
Design of a Consistent Interdisciplinary Capstone Experience at the University of Manitoba
Effective Coordination of Capstone Design Work using Milestones

15:15-15:30 Break

15:30-17:00 Session H Poster Session and Reception

Bahen Atrium

Kimia Moozeh, Deborah Tihanyi and Greg Evans
Mohamed Ismail

Laura Patterson
Chirag Variawa, Darlee Gerrard and Kirstin Newfield
Brian Dick

Patricia Kristine Sheridan, Jillian Seniuk Cicek, Liz Kuley and Robyn Paul
Julia Smith and Thomas O'Neill

Daniel Posen, Kelly Klima, Ines Azevedo, Steve Gradeck and Sabrina Larkin
Stephen Mattucci, Jim Sibley, Jonathan Nakane and Peter Ostafichuk

Umaporn Supasitthimethee, Narongrit Waraporn, Kriengkrai Porakaew, and Nipon Charoenkitkarn
Locke Davenport Huyer, Genevieve Conant, Cindy V Bui, Ben G Kinsella, Andrea Vegh, Sherif Ramadan, Brittany Lauton, Andrey Shukalyuk and Dawn Kilkenny

Margaret Gwyn
P. Kanthamanon, W. Chutimaskul, V. Vanijja
Theeranuch Sirkojakorn, Jirayu Chamamahattana, Vajirasak Vanijja, Nipon Charoenkitkarn, and Jonathan H. Chan
Kanmanus Ongvisatepaiboon and Jonathan H. Cha

J. Christopher Bouwmeester, Vicki Komisar and Arushri Swarup

Juan Abelló and Paul Labossière

Thomas Zielke, Claudia Fussenecker and Matthias Neef

Perceptions of Undergraduate Engineering Students About the Learning Objectives of Undergraduate Laboratories
An Excel Add-in for grade recording and accreditation
A Tale of Two Pedagogical Perspectives: A Literature Review of Writing Program Administration within Engineering Programs
First Year Engineering Workload at the University of Toronto
First-Year Core Engineering Curriculum for the BC Post-Secondary Sector
Characterizing the Engineering Education Graduate Student Experience in Canada: Survey Results
Peer Feedback Over Time

SUCCEED: Summer Center for Climate, Energy, and Environmental Decision Making
A Model to Develop Peer Feedback Skills in First-year Engineering Students

Stakeholder Involvement in Teaching and Learning

Discovery Program: integrating biomedical engineering graduate instructors with high school STEM curriculum

Finding the GAPS: The Development of a Network for Graduate Attribute Professionals
Classroom on Demand: Fast and Fresh Video Content Generator

SIT Academy: Online Learning Using the MOOC Approach
A Framework for MOOC Content Generation

Using a Multidisciplinary Team-Based Challenge to Promote Brainstorming and Prototyping of Medical Devices

Introduction of an Active Learning Component through Research Reports in a Laboratory Course

Teaching Engineering Conferences

Greg Evans, Grant Allen, Tim Bender and Will Cluett

We Never Talk: Peer to Peer Observation and Formative Feedback as Steps to Evolving Academic Culture

Wednesday, June 7th Sessions**8:00-8:30**

BA Lobby

Breakfast

8:30-10:30

BA1160

The Engineer of 2050

10:30-10:45 Break**10:45-12:00 Session I**

BA2195

The Teaching Stream: An Opportunity to Learn, Connect and Strategize

Moderated by: Lisa Romkey

BA1210

Graduate Attributes

Susan Caines and Leonard Lye

Salim Ahmed

Nasim Razavinia and Laurent Mydlarski

Neil Anderson, John R. Cocchio, Ellen Watson and Lianne Lefsrud

Rania Al-Hammoud, Jason Grove, Andrew Milne, Mehrdad Pirnia and Derek Wright

Darlene Spracklin-Reid, Sherrie Myers, Susan Caines and Andy Fisher

Adapting CEAB Graduate Attributes to Promote Graduate Student Success in the Canadian Engineering Community.
Teaching and Assessing Lifelong Learning in Laboratory Courses
Centralized Outcome-based Assessment Process at McGill University
Employing Multifaceted Teaching and Learning Components to Foster CEAB Graduate Attribute Development
Building Indicators by Consensus for Common Attributes

Integrating Assessment of Graduate Attributes into Cooperative Engineering Education

BA 1230

Becoming an Engineering Professional II

Sean O'Brien and Carolyn Geddert

Anne Parker

Vicki Komisar, Robert Irish and Jason Foster

Deborah Rolfes and Julie Hunchak

Moderated by: Deborah Tihanyi

Designing your Engineering Career: The Application of the Design Process to Career Development
The Engineering Portfolio
How Fine are the Emperor's Clothes? – Motivating Critical and Ethical Design Practices by Deconstructing Engineering Codes and Standards
Integrating Mentorship in a Communication Capstone Class to Support the Development of a Community of Practice in the College of Engineering

BA 1220

Integration and Curriculum Design

Sanjeev Bedi, Carol Hulls, Chris Rennick, Mary Robinson and William Melek

Bryan Karney, Sasha Gollish and Anne Mather

Ahmad Khanlari and Stacy Costa

Naraig Manjikian

Saloom Motavas, Liet Hellwig and Vladan Prodanovic

Roger Carrick and Alex Czekanski

Moderated by: Chris Rennick

Design of an Introductory Engineering Design and Communication Course Which Integrates First Semester Courses
A Decision-Making Framework for Engineering Mathematics Education
Criss-Crossing STEM Fields through Knowledge Building Discourse; An Explanatory Study
Reflections on Five Years of Coherent Teaching across Three Courses on Digital Logic and Computer Systems
Integration of English Language Modules into the Introduction to Engineering Design Course in the Vantage College 1st Year Engineering Program at the University of British Columbia
Preparing Students for Success through Implementation of a Unified Curriculum Design Spine

12:00-12:30 Lunch**12:30-1:30 CEEA AGM**

BA1160

1:45-3:00 Session J

BA2195

Student Unconference

Moderated by: Jillian Seniuk Cicek

BA1200

Course and Curricular Improvement

Marcus Ivey, Steven Dew, Don Raboud, John Nychka, Yasser Mohamed, Mirnal Mandal and Jason Carey

Igor Ivkovic

Jen Rathlin, Eugene Li and Andy Trivett

Deena Salem and Brian Frank

Moderated by: Gordon Stublely

Using Post Course Assessments to Involve Instructors in the Continual Improvement Process
Incremental Improvement of Course Outcomes through Interim Course Evaluations

Towards Scalable and Sustainable Active Learning in a Large Engineering Department
The Role of Engineering Teaching and Learning Fellows in the Transformation Process of ECE Courses

BA1220

Teaching Sustainability

Antoine Despres-Bedward

Susan Nesbit, Naoko Ellis and Peter Ostafichuk

Natasha Lanziner and David S. Strong

Moderated by: Greg Evans

Engineering Education for Sustainable Cities in Africa: A Case for Rwanda

Working with "Others": Developing Sustainability Skills in the First Year Classroom
Measuring Student's Motivation to Engage in Sustainable Engineering Practice

BA 1240

Understanding Team Performance

Katherine Gibbard, Yannick Griep, Genevieve Hoffart and Denis Onen

Ada Hurst, Andrea Prier, Mehrnaz Mostafapour, Chris Rennick, Carol Hulls, Erin Jobidon, Rania Al-Hammoud, Eugene Li, Jason Grove and Sanjeev Bedi

Moderated by: Lydia Wilkinson

One Big Happy Engineering Family? The Influence of Psychological Contracts on Team Outcomes and the Mediating Role of Person-Team Fit.
Teamwork for Engineering Students: Improving Skills through Experiential Teaching Modules

Radhika Kartha, Dr Michael Fowler and Dr Roydon Fraser

Carolyn Macgregor, Stacey Scott and Matthew Borland

Comparative Study of Organizational Structures of Engineering Student Teams and their Team Effectiveness
Using Accountability Logs to Assess Individual Student Contributions to Capstone Projects: What happens when one student on a team fails?