

The 40th Annual Meeting of Alberta Statisticians

MacEwan University, Edmonton, Alberta, Canada, September 29, 2018

Specific locations:

- The conference will be in the 105 Street Building (or Building 5), MacEwan City Centre Campus.
- Presentations will be held in CCC 5 - 158.
- The Coffee Break will be held outside CCC 5 - 158.
- The Banquet will be held in Paul Byrne Hall, CCC 9 - 115 of the *Robbins Health Learning Centre*.

Program:

Saturday, Sept. 29

Location: MacEwan University City Centre Campus (CCC)

12:50pm

Opening Remarks

Karen Buro, Chair, Department of Mathematics & Statistics, MacEwan University

1:00pm

Plenary Address

Robustness of Design: A Survey

Professor Douglas Wiens, University of Alberta

2:00pm

Session on Statistical Genetics

Introduction to statistical genetics and precision medicine

Qing (Leah) Li, University of Calgary

Analysis of Inter-tissue co-expression network using linear mixed models

Quan Long, University of Calgary

Bayesian Group Selection for Compositional Data: Application to Radiomic data in Glioblastoma disease

Thierry Chekouo Tekougang, University of Calgary

3:00pm

Coffee Break

3:30pm

Additional Remarks

Karen Buro, Chair, Department of Mathematics & Statistics, MacEwan University

3:35pm

Regression Applications and Methodology

An Investigation of the Relationship Between Indigenous Suicide in Canada and Spatial Factors Using Categorical Analysis

Alex Mackie, MacEwan University

Asymptotics for Maximum Likelihood (ML) Estimators of Generalized Linear Model (GLM) for Adaptive Designs with Applications

Selvakkadunko Selvaratnam, University of Alberta

Sparse Covariance Regression

Adam Kashlak, University of Alberta

4:30pm

Statistical Smorgusbord

Efficient Low Rank Matrix Recovery by M-estimation

Peng Liu, University of Alberta

Quantile-optimal Treatment Regime based on Individual Gain

Wei Tu, University of Alberta

Statistical Analysis of a Model for Toxicity Assessment

Cristina Anton, MacEwan University

5:45pm

Dinner

Paul Byrne Hall, CCC 9 - 115, Robbins Health Learning Centre, MacEwan University

