

Letter From the President

Dear Reader,

“Operations research is a scientific method of providing executive departments with a quantitative basis for decisions regarding the operations under control”

– Morse and Kimball, *Methods of Operations Research*

In 1937, Albert Rowe improved the UK early warning radar system, Chain Home by analyzing the operating of the radar equipment, its communication networks, and the operators' behavior. This is the origin of the modern operations research. The research field of OR has been expanded from military application to nowadays commercial and government use, impacting people's daily life as an invisible hand.

This is the fourth journal printed by Simon Fraser University's (SFU) Operations Research Student Union. The research papers in the Analytics Now journal are written by undergraduate students in "Math 208W: Introduction to Operations Research" and "Math 402W: Operations Research". Students conducted their researches on couple current issues related to public services in great Vancouver area and offered their unique insights and alternative solutions. The topics include water distribution, public bike-share program, refugee language courses plan and transit fare system.

Three of the papers from Math 402W were respectively selected as the final list for Canadian Operational Research Society's (CORS) Student Paper Competition and presented at the CORS/INFORMS International Conference in Montreal, QC(2015) and Banff, AB(2016). One of the papers, *Queueing Network Model for Refugee Language Courses in Vancouver* by Oshane Jackson and Ismael Martinez has won an Honourable Mention in the 2016 competition.

All these papers are now available on Analytics Now Online. We would like to extend our gratitude to Dr. Tamon Stephen for all the support and guidance. We would also like to thank my previous presidents and editors for all their hard work to establish the foundation of the Analytics Now journal.

I hope these papers can bring you joy and inspiration, as much as they have brought for all the authors in this journal.

Best,



Fanli Si: ORSU President (2016-2017)