



Canadian Operational Research Society
Calgary Section

<http://www.corscalgary.org/>

PROFESSIONAL DEVELOPMENT SEMINAR

When: Noon to 1:30 PM, Thursday, Sep. 20, 2012

Room 532 **(Note room change)**

TransCanada Tower

450 - 1 Street SW

SPEAKER

Dr. Mozart Menezes, Ph.D.

Associate Professor, Operations Management

Haskayne School of Business, University of Calgary

TOPIC

**The Wisdom of Voters: Evaluating the Weber Objective
at the Condorcet Solution**

Abstract:

In voting systems (social choice) a Condorcet solution is a candidate that beats (or at most ties) all other potential candidates. We investigate the quality of Condorcet solutions comparing it to that of a central decision maker in the context of a locational problem, concluding, through exhaustive experiments, that if each population member votes according to his/her own self-interest, then the Weber objective at the Condorcet point is very close to the optimal Weber value. Being short of, or reducing the set of, candidate solutions has little impact on the quality of the Condorcet solution. These results suggest that this specific democratic approach is very efficient in generating optimal solutions and, at the same time, shows that a central decision maker's decision is well aligned with the will of the people – as long as (s)he act as a rational and benevolent actor.

About the Speaker:

Dr. Mozart Menezes is an Associate Professor of Operations Management at Haskayne School of Business, University of Calgary. Prior to that he was a Professor of Supply Chain Management and PhD Program Director at the Zaragoza Logistics Center. He previously worked as an Assistant Professor in the Operations Management and Logistics Department at HEC School of Management Paris, where he taught Supply Chain Management in the MBA program and a PhD course in Combinatorial Optimization. He is also a Research Affiliate at the Center for Transportation and Logistics at MIT.

He worked for 5 years as Operations Manager at Procter & Gamble in Brazil. Prior to Procter & Gamble, he worked as Project Manager for 10 years for various engineering companies, where he was responsible for military and private sector projects developing industrial facilities, mining facilities, the construction of high-rise commercial and residential buildings and public infrastructure projects.

He obtained a BSc degree in Civil Engineering from the Universidade Federal do Para, Belém, Brazil. Dr. Menezes received an MSc degree in Civil Engineering specializing in Project Management and an MSc degree in Industrial Administration from Clemson University, USA. He received a PhD degree in Operations Management from the Rotman School of Management, University of Toronto, Canada.

His research areas of interest include Supply Chain Network Design, Supply Chain Disruptions, Facility Location, Supply Chain Management and Workforce Management.

There is no charge for attending the meeting. The room is available until 1:30 PM for those interested in staying afterwards to mingle and meet other OR practitioners.

Directions to the Meeting Room

Enter the lobby of the Trans Canada Tower (450 - 1 St. SW) from 1st. S.W. (between 4th and 5th Avenues) and take the elevator to the fifth floor, go to the "Green Side" and ring 2197 on the callboard. Then go to room 532.