

The Hong Kong University of Science and Technology
Dept of Information Systems, Business Statistics
and Operations Management
Frontiers in Operations Management Workshop



Agriculture 4.0 and Broader Research Perspectives

by

Professor Tava Olsen

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Date : **3 December 2021 (Friday)**
Time : **10:00 am - 12:00 noon**
Zoom ID : **977 5724 5354 (passcode 804409)**



Abstract: Agriculture is changing in many ways. This talk gives an overview of these changes, with a particular focus on agricultural supply chains. Like many supply chains around the world, agricultural supply chains are subject to digital disruption in a variety of interesting ways. I will outline what these disruptions mean for agriculture today and make some projections for the future. New Zealand case studies will be presented. Further, I will also discuss new agricultural technologies and precision agriculture and what they mean for research in this important area. Ideas for future research will be discussed throughout the talk. At the end I will give some broader perspectives on research publishing.

Bio: Professor Tava Olsen is the Director of the Centre for Supply Chain Management and Deputy Dean Faculty at the University of Auckland Business School. Prior to joining Auckland, she was Professor of Operations and Manufacturing Management in the Olin Business School at Washington University in St. Louis, which she joined after serving as an Assistant Professor in the Department of Industrial and Operations Engineering at the University of Michigan, Ann Arbor. Tava received her B.Sc. (honours) in Mathematics from the University of Auckland and her Masters in Statistics in 1992 and Ph.D. in Operations Research in 1994, both from Stanford University. Tava's research interests include supply-chain management; pricing and inventory control; and stochastic modelling of manufacturing, service, and healthcare systems.

Tava is currently the Area Editor for Operations and Supply Chain at Operations Research and a Senior Editor of Production and Operations Management. She has previously served as an Associate Editor for Management Science and Manufacturing and Services Operations Management (M&SOM), and was the Topical Editor for Supply-Chain Management for the Wiley Encyclopaedia of Operations Research and Management Science. She is a past president of the Manufacturing and Service Operations (MSOM) society and has twice been awarded the Auckland Business School's research excellence award. Among other journals, her publications have appeared in Management Science, Operations Research, M&SOM, & POM. Tava has been awarded over \$3 million dollars of external funding over her career, including being a recipient of the prestigious NSF CAREER award and RSNZ Marsden grant.

All interested are welcome!
Enquiries: Dept of ISOM