



Faculty of Applied Science
CHEMICAL ENGINEERING



“Introduction to the Woodbridge Group”

Hamdy Khalil, Woodbridge Group, Mississauga, Ontario

Thursday, April 8th, 9:30am
Dupuis Hall, Room 217

BIO

Dr. Khalil is an Adjunct Professor at the University Of Guelph. He has pioneered the introduction and commercialization of renewable materials into the polyurethane chemistry used in the interior automotive parts manufacturing which is now the bench mark for the industry. He chaired many international Polyurethane Conferences in North America and around the world and is a member of the Board Of Directors of The Ontario BioAuto Council and CRIBE. He is on the NRC steering Committee for Bio-Products Developments as well as the Scientific advisory Committee of FP-Innovation. He introduced and published groundbreaking chemistries in the following areas: Reformatsky reaction to synthesize vitamin A analogues; Wittig reaction in the synthesis of polyene; phase transfer catalysis for the synthesis of hitherto known sulfur and oxygen heterocyclic five and six member compounds useful in pheromones and pharmaceuticals.

Dr. Khalil has coauthored patents in the areas of polyurethane structural sealants for automotive windshield fastening; high impact polystyrene light stability; latex anti-microbial growth additives; and, bio-polyol in automotive parts manufacturing.

Dr. Khalil's first passion is the mentoring and the customized development of young scientists and technical personnel.



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ABSTRACT

Introduction to the Woodbridge Group and its businesses followed by introduction to Polyurethane Technology and its application in the Automotive Industry will be presented. This will be followed by a presentation on the pioneering work on utilizing materials derived from renewable resources in the manufacturing of Automotive components.

