

# SÉMINAIRE

## Génie chimique et génie biotechnologique



**Dr. Peter Fransham, PhD**

VP Technology  
ABRI-Tech Inc.

**Vendredi, le 11 novembre 2016**

**13h30 au local C1-2038**

**Faculté de génie**

**Responsable:** Jean-Michel.Lavoie2@usherbrooke.ca

### **From the Laboratory to Commercialization: A Case Study**

One of the most difficult tasks facing scientists, researchers, engineers and businessmen is how to move a concept proven at the laboratory scale to a commercial and economic scale. The laboratory is comfortable with few risks. The business world is high risk, where failure is not generally tolerated. This talk will use the commercialization of ABRI-Tech's fast pyrolysis process as a case study. The project started in 1988 during one of the oil crisis where renewable fuels were looked at as an alternative to high cost petroleum-based products. The time to commercialization is long and we will see that the drivers (demand) for a product can change over time. The evolution of the technology and key engineering design parameters and methodology will be included in the presentation along with a discussion of economics and life cycle value analysis (LCA) The commercialization of a technology has incredible highs and some low moments. It is an immensely rewarding career choice.

### **Éléments biographiques**

Dr. Fransham is vice-president of ABRI-Tech Inc. He has been involved in pyrolysis research and development for over 25 years. He is responsible for the design, research and development of ABRI-Tech's unique biomass dryer and auger pyrolysis system. He is a geological engineer by education – PhD McGill. He became involved with fast pyrolysis while looking for a source of carbon to make activate carbon for purification of contaminated groundwater. He continues to be active in innovation and plans to provide technical direction to ABRI-Tech for several more years. He maintains a close relationship with academic through joint research projects and being a member of thesis committees.

Un léger goûter sera servi avant le séminaire.  
Pour plus d'informations sur nos séminaires,  
visitez le [site internet du département](#)