

**南农-湖首研讨会 Nanjing Agricultural University (NJAU)-Lakehead University
Seminar on Thermal Utilization of Biomass**

Biomass utilization in agriculture and forestry has become a research hotspot in chemical, environment, energy, and materials science and engineering. The purpose of the Seminar is to promote NJAU-Lakehead academic exchange, research partnership, as well as general education stimulating mutual initiatives in sustainable development of renewable biomass resources.

Organization Committee:

Chair: Professor Zhen Fang (Fellow of the Canadian Academy of Engineering, FCAE), Nanjing Agricultural University, China

Co-chair: Professor Janusz A. Kozinski (FCAE), Lakehead University, Canada

Secretaries: Miss Xiao Han and Mr Guo-qiang Zhu

Lectures:

1. Biorefining processes for biopolymers and bioplastics

Prof. Pedram Fatehi (Lakehead)

2. Simultaneous pyrolysis-activation-doping of biomass for porous N-doped biochar and its applications

Dr. Wei Chen, Associate Prof. (NJAU)

3. Performance enhancement of biomass- and industrial waste-based magnetic composites

Prof. Kang Kang (Lakehead)

4. Glucose oxidation over Cu⁰-Cu⁺ sites stabilized by lignin-derived carbon

Dr. Yang Cao, Associate Prof. (NJAU)

5. Valorization of waste tires using SCWG technology to produce hydrogen

Dr. Baris Yilmaz (Lakehead, Visiting Prof.)

6. Tandem catalysis in-situ hydrogen generation and hydrodeoxygenation: Co-liquefaction of polyethylene and straw into hydrocarbon fuels

Mr. Shen-ren Li (NJAU, PhD Student)

7. Microwave-assisted synthesis of biomass-derived N-doped carbon dots for metal ion sensing

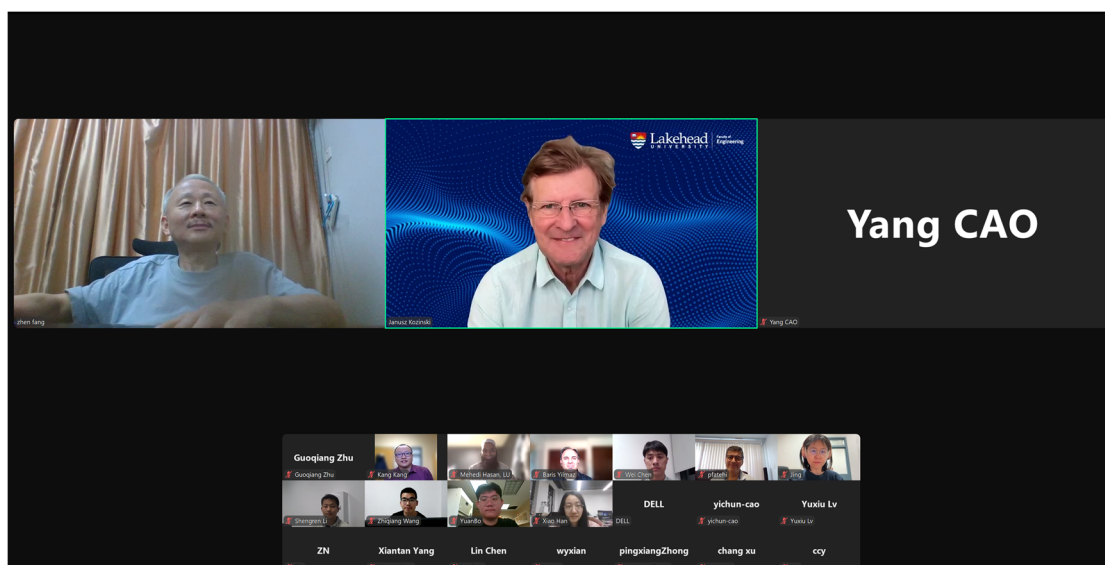
Mr. Mehedi Hassan (Lakehead, PhD Student)

8. Hydrogen production from biomass via hydrothermal gasification using Ni-Ce catalysts supported on Kaolin

Mr. Zhi-qiang Wang (NJAU, PhD Student)

Video:

https://www.bilibili.com/video/BV1uj7UzmEiQ/?vd_source=d2f3aa0687d7bca71a4587bfe38523b9



南京农业大学-加拿大湖首大学研讨会成功举办

农林生物质利用已成为化学、环境、能源、材料科学与工程等领域的研究热点。本次研讨会的目的是促进南京农业大学与湖首大学在可再生生物质资源领域开展学术交流、研究合作以及人才培养等方面合作。

本次研讨会于 **2025 年 05 月 30 日** 由南京农业大学主办，南京农业大学**方真** 院士和加拿大湖首大学 **Janusz A. Kozinski** 院士为大会主席，大会主题为热化学利用生物质技术。8 位来自加拿大、土耳其和中国的学者及学生分享其最新的研究进展。会上，加拿大湖首大学 **Pedram Fatehi** 教授、南京农业大学**陈伟** 副教授、加拿大湖首大学 **Kang Kang** 副教授、南京农业大学**曹阳** 副教授、土耳其马尔马拉大学 **Baris Yilmaz** 副教授（湖首大学访问学者）、南京农业大学博士生**李胜任**、湖首大学博士生 **Mehedi Hassan** 以及南京农业大学博士生**王志强** 分

享其在生物基材料和生物基绿色能源的最新进展。南京农业大学博士生**韩笑**和硕士生**祝国强**共同担任大会秘书。

演讲录像：

https://www.bilibili.com/video/BV1uj7UzmEiQ/?vd_source=d2f3aa0687d7bca71a4587bfe38523b9