



Nanjing Agricultural University (NJAU) – Lakehead University



Lakehead
UNIVERSITY

Faculty of
Engineering

NJAU – Lakehead Seminar

Thermal Utilization of Biomass

MAY 30, 2025 (ONLINE)

7:30 – 10:30am EST (7:30 – 10:30pm BJ time)

Join Zoom Meeting

<https://lakeheadu.zoom.us/j/97263660772?pwd=tWIAS7U0AloKhu8vfbNbZdpa8b2xSI.1>

Meeting ID: 972 6366 0772

Passcode: 298535

Seminar Chairs: Prof. Zhen Fang (NJAU)

Prof. Janusz A. Kozinski (Lakehead)

Secretaries: Miss Xiao Han (lxhmx0818@163.com)

Mr. Guo-Qian Zhu (m18811707356@163.com)

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.

7:30 – 7:40 pm (BJ time) Prof. Zhen Fang **Opening address**

7:40 – 8:00 pm Prof. Pedram Fatehi (Lakehead)

Biorefining processes for biopolymers and bioplastics

Chaired by Prof. Janusz A Kozinski

8:00 – 8:20 pm Dr. Wei Chen, Associate Prof. (NJAU)

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

Chaired by Prof. Janusz A Kozinski

8:20 – 8:40 pm Prof. Kang Kang (Lakehead)

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

Chaired by Prof. Janusz A Kozinski

8:40 – 9:00 pm Dr. Yang Cao, Associate Prof. (NJAU)

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

Chaired by Prof. Janusz A Kozinski

9:00 – 9:10 pm Break

9:10 – 9:20 pm

Dr. Baris Yilmaz (Lakehead, Visiting Prof.)

Valorization of waste tires using SCWG technology to produce hydrogen

Chaired by Prof. Zhen Fang

9:20 – 9:30

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

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

Chaired by Prof. Zhen Fang

9:30 – 9:40

Mr. Mehedi Hassan (Lakehead, PhD Student)

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

Chaired by Prof. Zhen Fang

9:40 – 9:50

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

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

Chaired by Prof. Zhen Fang

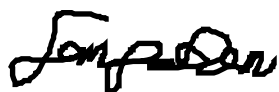
9:50 – 10:20

Open Forum – Discussion

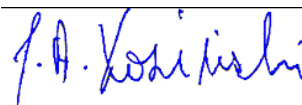
Chaired by Prof. Zhen Fang and Prof. Janusz A Kozinski

10:20 – 10:30 pm

Prof. Janusz A Kozinski **Closing remarks**



Zhen Fang, May 30, 2025



Janusz A Kozinski, May 30, 2025