

Distinguished Speakers'



UEE Seminar Series

Hosted by School of Urban & Environmental Engineering

Recent Development in Dark Fermentative Hydrogen Production

Speaker: Prof. Kim, Sang-Hyoun
Yonsei University

Based on the recent trends in renewable energy and clean energy research, the production of hydrogen from biomass through a variety of fermentation processes would be a key to unlock the bottlenecks and come up with potentially useful solutions of many issues related to clean energy, biomass management and control of greenhouse gas emissions. Hydrogen gas produced from fermentation processes can be considered as clean, sustainable and low carbon fuel and it can therefore address the issue of increasing energy demand and more importantly address the issue of greenhouse gas emissions and assist in curbing the ascent of climate change impacts. Although the production of hydrogen through fermentation of biomass has been demonstrated successfully on lab and pilot scales and mostly so from an academic perspective and there are several aspects that are important to ensure the sustainability of the biomass-to-hydrogen production chain. This seminar introduces recent development in dark fermentative hydrogen production and challenges.



- **When :** 2019.04.04.(Thu) 16:00
- **Where:** Bldg.110(EB4), Room.N101
- **Host :** Prof. Lee, Changsoo
ext. 2822, cslee@unist.ac.kr