

Speech Title: Energy Production using Advanced Gasification Technology

Speaker: Dr. Chang-hsien Liao, Senior Engineer of West Biofuels LLC., USA.

Time: 2015.02.04 (Wed.) 10:30–12:30

Place: 023 / 2F meeting room



CV:

Dr. Chang-hsien Liao received his Ph.D in Mechanical and Aeronautical Engineering from the University of California at Davis in 2008. His research fields were on the thermal chemical processes. His dissertation was about heat transfer analysis and hydrogen production enhancement in catalytic bed steam reforming system. After his graduation, Dr. Liao joined the research team at Woodland Biomass Research Center as a post-doctoral researcher of UC Davis. He was in charge of developing process flow diagrams, control systems, and performing energy/mass analyses of a pilot scale dual fluidized bed biomass gasifier. Since 2011, Dr. Liao has taken the position as a senior research engineer at West Biofuels LLC., and continued his research on the biomass gasifier system. He is focusing on the gasifier reactor design to reduce the heat loss, and developing a waste heat recovering system to improve the overall thermal efficiency.



Figure: An one MW_{th} FICFB Gasification System at Woodland, California.