Highly-Efficient Energy Conversion and Utilization

AZIZ LAB.

Clean Secondary Energy

De208

Department of Mechanical and Biofunctional Systems

Energy and Process Integration Engineering

Department of Mechanical Engineering, Graduate School of Engineering

http://epi.iis.u-tokyo.ac.jp

Advanced adoption of clean secondary energy toward sustainability

A highly efficient and clean energy system is developed toward the realization of sustainable society. Analysis and modeling of micro- to macro-scales for each individual energy conversion process and elemental technology are performed, together with the effort to integrate them efficiently. In addition, a mutual relationships (conversion, utilization, and storage) among the electricity, chemical energy, and other carbon-free secondary energy sources is also studied.



