

AZIZ LAB.

[Advanced Production and Utilization of Secondary Energy Sources Toward Energy Sustainability]

Department of Mechanical and Biofunctional Systems

Energy and Process Integration Engineering

Department of Mechanical Engineering

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

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.

Integration of carbon-free secondary energy sources

