Secondary energy, energy production and utilization, integration, hydrogen, energy storage

Advanced Utilization of Clean Secondary Energy

AZIZ LAB.



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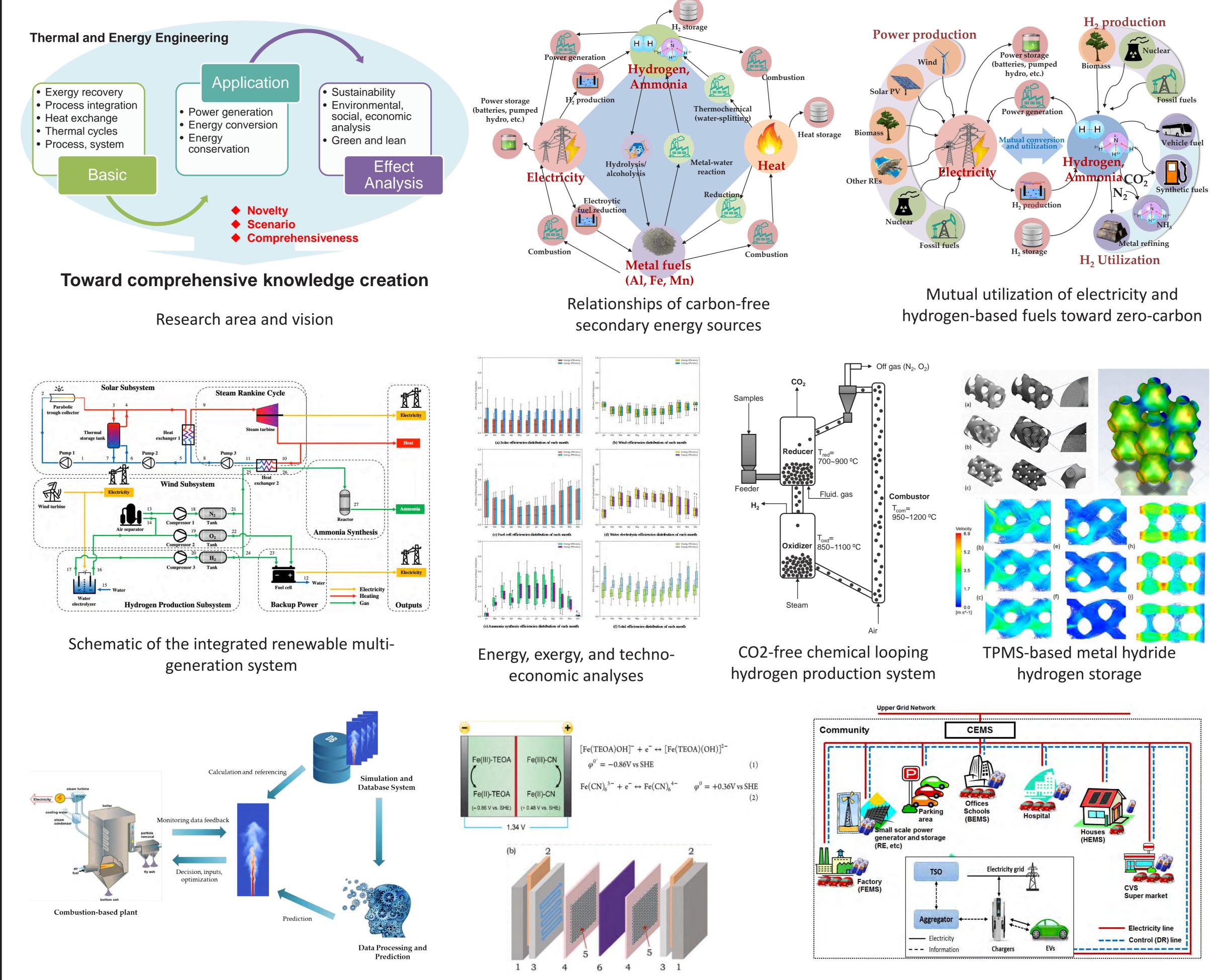
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Advanced adoption of clean secondary energy toward sustainability

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.



Advanced combustion modeling and prediction

High density iron redox flow battery

Advanced utilization of EVs for ancillary services

