## HORIE LAB.

## [Creation of Clean and Efficient Energy Supply System]

**Energy Storage Engineering** 

## **Future Energy Network with Advanced Batteries**

Energy-Information-Consolidated Networks Empowered by Advanced Batteries

Advanced battery systems are expected to materialize future power supply networks for clean and energy-efficient systems. Energy and information would be eventually consolidated through an electron platform, which leverages advanced batteries to provide/absorb energy ubiquitously to accommodate stringent constraints at any layer of integrated systems. We would like to propose harmonized energy and information network concepts, which could benefit any conceivable artifacts in the future.

Design of advanced batteries for smart-grid applications Creation of battery information technology Creation of energy and information network systems with distributed nodes of advanced batteries

