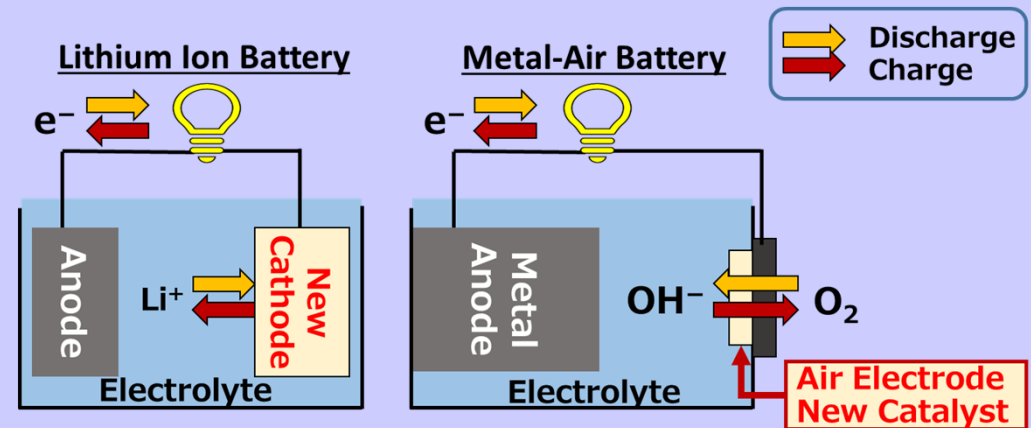


Development of Innovative Battery Materials for Next-Generation Industries

(Prof. Nobuto OKA, nobuto.oka@fuk.kindai.ac.jp)

Research Area

1. Lithium Ion Battery : Development of New cathode materials with high capacity
 - Conductive “glass (amorphous)”, etc.
2. Metal-Air Battery : Development of New catalysts for air electrode
 - Perovskite-type “polycrystalline” catalysts
 - Conductive “glass” catalysts
 - Nano carbon materials, etc.



Recent Activities

- Effect of Substitutional Doping of Tin in Highly Conductive Barium Iron Vanadate Glass. *Physica Status Solidi A: Applications and Materials Science* (in press).
- Discharge/charge characteristic of Li-air cells using carbon-supported $\text{LaMn}_{0.6}\text{Fe}_{0.4}\text{O}_3$ as an electrocatalyst, *Journal of Power Sources* 242: 216-221, 2013.