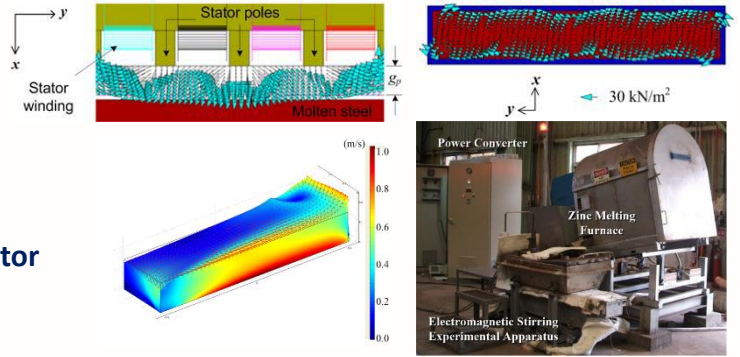


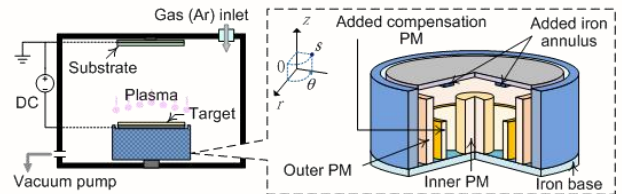
Electric Machinery System Design Laboratory

Main Research

- Special electric machine designs
 - Electromagnetic sputter
 - Non-contacting conveyance system
 - Electromagnetic stirrer
- Next-generation synchronous reluctance motor
- Electromagnetic steel iron loss assessments
- Magnetic geared motor/generator
 - Repulsive linear operations
 - Rotary operations
 - 3-D operations

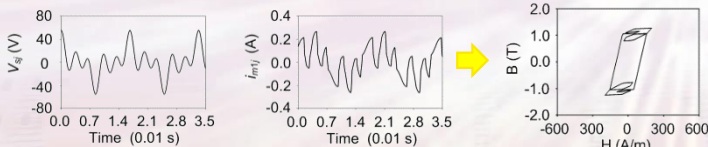
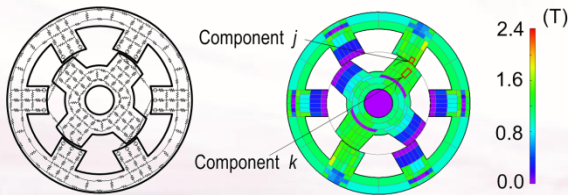


The magnetic stirrer

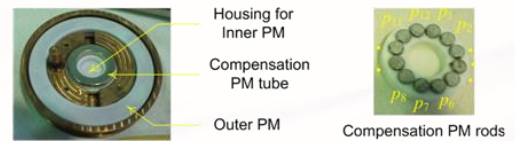
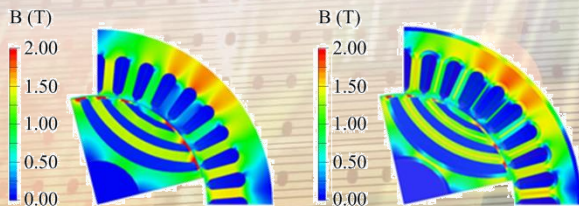


Highlight

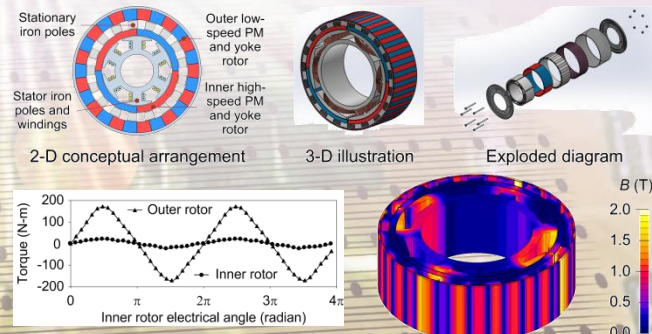
Developments of systematic iron loss evaluation scheme and optimized SynRM barriers



Precise modeling of the hysteresis effects



Electromagnetic sputter



Barrier shape and magnetic property impacts of SynRM

Integrated magnetic-geared machine