

신에너지시스템 응용연구실

- 소속: 서울 [공과대학 기계공학부](#)
- 영문명: Multi Energy Transport Lab.
- 실장: [엄석기 기계공학부](#) 교수
- 홈페이지: <http://metlab.hanyang.ac.kr/>
- 위치: [제2공학관](#) 106-2
- 연락처: 02-2220-4432

연구관심분야

- Fuel Cells
 - An experimental feasibility study of vanadium oxide thin films
 - Conceptual designs of the Central Manifolding Devices for a High Power Stack
 - Investigation of Coolant Thermo-Fluid Characteristics
- Hydrogen
 - Development of a Integrated Fuel Process Model
 - Investigation of Effect of Operating Parameter
 - Estimation of Flow, Temperature and Concentration Field
 - Prediction of Conversion of CH₄ and CO
- Motor
 - Prediction of motor temperature distribution
 - Study of electromagnetic heat source
 - Development of new analytical method for temperature prediction
 - Optimization of the best performance for motor cooling system
- Battery
 - Confidential