

# Hitachi HF-3300 TEM-STEM

## Techniques/Capabilities:

- 100kV and 300kV operation
- Cold field-emission gun
- EDS analysis and spectrum imaging
- Dual bi-prism assembly for Electron Holography
- SEM, BF-STEM, and HAADF-STEM detectors
- High-Resolution TEM imaging (~0.18nm)
- Remote Microscopy

## Current Research Activities:

- Catalyst nanoparticle imaging and analysis
- Carbon nanotube/nanohorn characterization
- Li-ion battery research and in-situ testing
- Fuel cell materials research
- Thermoelectric materials research

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