



Shao-Ju Shih

Professor

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Education:

- Dr. Phil of Materials, University of Oxford

Lectures:

- X-ray Diffraction and Crystallography
- Ceramic Sintering and Grain Boundary Engineering
- Materials Analysis

Grain Boundary Engineering

- **Grain boundary engineering**
Structural characterization of grain boundaries in SrTiO_3 by EBSD (crystallographic structure), HRTEM (morphology), STEM-HAADF (atomic structure) and XEDS (chemical structure).
- **Synthesis and characterization of oxide particles**
Spray pyrolysis and spray drying
3-D geometrical characterization by electron tomography
- **Ceramic process**
- **Bone Implants**

