



## Shu-Kai Yeh

Associate Professor  
Department of Materials  
Science and Engineering  
Tel:+886-2-2737-6518  
[skyeh@mail.ntust.edu.tw](mailto:skyeh@mail.ntust.edu.tw)

### Education:

- Ph.D. Chemical Engineering  
West Virginia University

### Lectures:

- Engineering Mathematics (II)
- Polymer and Composite Rheology
- Thermodynamics

## Polymer Engineering

### ● Polymer Nanocomposite Foam

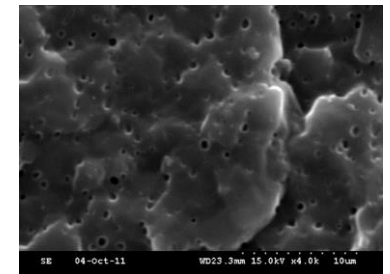
sc-CO<sub>2</sub> foaming  
Micro and nanocellular foam  
Physical properties of foam

### ● Natural fiber composites

Character of natural fiber foam  
Natural fiber composite processing  
Durability of composites

### ● Shear thickening fluid composite

Rheological properties of STF  
Ballistic impact of STF  
composites



Cell size : 450 nm

Cell density :  $1.04 \times 10^{11}$  cells /cc

