**Thermophysical Properties Lab. at NTUST**

Ming-Jer Lee (Professor)

Sept. 9, 2019

**Group Members:**
- PhD Student: 1
- Master Student: 1

**SCI Papers in Recent Years:**

<table>
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<th>Year</th>
<th>2014</th>
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**Papers Published in SCI Journals:**

238 (1983-date)

**Current Research Projects:**

1. *New hydrophobic biocompatible ionic liquids: synthesis and separation technology applications* (2016/08-2019/12; Source: MOST; PI: Ming-Jer Lee)

Development of Green Process Technology

High Efficiency; Low Pollution; Low Energy Consumption

Supercritical Fluid Technology
- Supercritical Extraction
- CO₂ Capture/Gas Hydrates
- Supercritical Micronization: Ultra-Fine Particle Preparation

Separation Technology
- Reactive Distillation
- Separation with Biological Buffers/New Ionic Liquids
- Separation of Natural Products

VLE
LLE
VLLE
SVE
SLE
PVT
Viscosity
EOS
Kinetics
Publication list (2014-date)  李明哲 M. J. Lee


Sekhar, G. C. and M. J. Lee, 2019, “Phase Equilibria for Binary Mixtures of Hexane with Orthoxylene, Metaxylene, and Nonane with Hexane at 101.3 kPa,” Results in Chemistry, 1, 100005
