















## Materials and Mineral Resources Engineering Graduate Institute of Materials Science and Engineering ( Master, Ph.D. )

Position	Name	Phone	Email	Academic degree	Research Interests
Professor Chairman, Department of Materials & Mineral Resources Engineering	 J.-K.Chen	886-2- 27712171- 2763	<a href="mailto:jkchen@ntut.edu.tw">jkchen@ntut.edu.tw</a>	Ph.D., Materials Science and Engineering Virginia Polytechnic Institute and State University, U.S.A.	<ul style="list-style-type: none"> <li>● Metals, ceramics, and composite materials process</li> <li>● Thin films, phase transformation and interface structure analysis</li> <li>● Steel and non- ferrous products and processes</li> </ul>
Professor, Vice- President, Taipei Tech	 S.-F. Wang	886-2- 27712171- 1061 886-2- 27712171- 2735	<a href="mailto:sfwan@ntut.edu.tw">sfwan@ntut.edu.tw</a>	Ph.D., <u>University of Pennsylvania</u> Department of Ceramics Science, U.S.A.	<ul style="list-style-type: none"> <li>● Ceramics membrane</li> <li>● Optical, electrical and magnetic properties of materials</li> </ul>
Professor	 T.-H. Ueng	886-2- 27712171- 2711	<a href="mailto:thueng@ntut.edu.tw">thueng@ntut.edu.tw</a>	Ph.D., West Virginia University Department of Reclamation Engineering, U.S.A.	<ul style="list-style-type: none"> <li>● <u>Resource development</u></li> <li>● Ventilation network analysis</li> <li>● Computer simulation</li> <li>● Resource environment</li> <li>● Demolition technology</li> </ul>
Professor	 Y.-F. Hsu	886-2- 27712171- 2737	<a href="mailto:yfhsu@ntut.edu.tw">yfhsu@ntut.edu.tw</a>	Ph.D., Department of Materials Science & Engineering, National Taiwan University	<ul style="list-style-type: none"> <li>● <u>Shape memory alloys</u></li> <li>● Electron microscope</li> <li>● Microstructure</li> </ul>
Professor	 C.-C. Li	886-2- 27712171- 2761	<a href="mailto:ccli@ntut.edu.tw">ccli@ntut.edu.tw</a>	Ph.D., Department of Materials Science & Engineering, National Tsing Hua University	<ul style="list-style-type: none"> <li>● Nanoparticles synthesis powder dispersion technology</li> <li>● Colloid chemistry</li> </ul>
Professor	 Y.-C. Yang	886-2- 27712171- 2762	<a href="mailto:ycyang@ntut.edu.tw">ycyang@ntut.edu.tw</a>	Ph.D., Department of Materials Science & Engineering, National Cheng Kung University	<ul style="list-style-type: none"> <li>● Applications of synchronization divergence</li> <li>● Nanosupport synthesis and drug delivery system</li> <li>● Biomaterial, metals and ceramic composite material</li> <li>● Material surface engineering</li> <li>● Material properties and fracture analysis, nondestructive testing, stress analysis</li> </ul>
Professor	 W.-Y. C. Wu	886-2- 27712171- 2765	<a href="mailto:wuyc@ntut.edu.tw">wuyc@ntut.edu.tw</a>	Ph.D., Institute of Materials Science, Sun Yat-sen University	<ul style="list-style-type: none"> <li>● Analysis of the microstructure of ceramic materials and the crystal defect analysis (TEM)</li> <li>● Ceramic sintering process</li> </ul>

	Y.-C. Wu				<ul style="list-style-type: none"> <li>● Material Analysis</li> <li>● Photoelectric membrane technology</li> <li>● Applications of nanomaterial in photocatalyst</li> <li>● Material solidification</li> <li>● Material manufacturing computerized simulation</li> <li>● Composite material</li> </ul>
Professor	 <p>S.-F. Chen</p>	886-2-27712171-2723	<a href="mailto:sfchen@ntut.edu.tw">sfchen@ntut.edu.tw</a>	PH.D., National Northeastern University, Japan	
Professor	 <p>Shih-Hsien Chang</p>	886-2-27712171-2766	<a href="mailto:changsh@ntut.edu.tw">changsh@ntut.edu.tw</a>	Ph.D., Institute of Materials Science and Engineering, National Cheng Kung University	<ul style="list-style-type: none"> <li>● Metal matrix composites</li> <li>● Metal surface engineering</li> <li>● Heat treatment</li> <li>● Powder sintering</li> </ul>
Professor	 <p>Te-Wei Chiu</p>	886-2-27712171-2742	<a href="mailto:tewei@ntut.edu.tw">tewei@ntut.edu.tw</a>	Ph.D., Materials Engineering, Tokyo Institute of Technology	Thin film process
Associate Professor	 <p>Y.-R. Wang</p>	886-2-27712171-2734	<a href="mailto:yrwang@ntut.edu.tw">yrwang@ntut.edu.tw</a>	Ph.D., Department of Metallurgy Engineering, University of Utah, U.S.A.	<ul style="list-style-type: none"> <li>● Crystal synthesis</li> <li>● Powder preparation</li> <li>● Advanced ceramics preparation</li> <li>● Ceramic processing</li> <li>● Engineer geology survey</li> </ul>
Associate Professor	 <p>P.-H. Chang</p>	886-2-27712171-2776	<a href="mailto:phchang8@ntut.edu.tw">phchang8@ntut.edu.tw</a>	Ph.D., Department of Physics, National Taiwan University	<ul style="list-style-type: none"> <li>● Energy materials</li> <li>● Superconductivity</li> <li>● Nanotechnology</li> <li>● Compound semiconductor</li> <li>● Optoelectronics</li> <li>● High speed transistor</li> </ul>
Associate Professor	 <p>S.-J. Wang</p>	886-2-27712171-2756	<a href="mailto:sjwang@ntut.edu.tw">sjwang@ntut.edu.tw</a>	Ph.D., Department of Electrophysics, National Chiao Tung University	<ul style="list-style-type: none"> <li>● High temperature superconductor</li> <li>● Solid electronic material semiconductor device and processing</li> <li>● Organic conducting polymers and applications</li> </ul>
Associate Professor	 <p>Ming-Sheng Ko</p>	886-2-27712171-2772	<a href="mailto:msko@ntut.edu.tw">msko@ntut.edu.tw</a>	Ph.D., Department of Environmental Engineering, National Cheng Kung University	<ul style="list-style-type: none"> <li>● Environmental engineering</li> <li>● Recycling, waste treatment</li> <li>● Resources environmental verification</li> <li>● Environmental monitoring</li> </ul>

Associate Professor	 T.-H. Tsai	886-2-27712171-2775	<a href="mailto:tztasi@ntut.edu.tw">tztasi@ntut.edu.tw</a>	Ph.D., Department of Chemical Engineering, National Taiwan University	<ul style="list-style-type: none"> <li>● Electrochemical engineering</li> <li>● Semiconductor processing</li> <li>● Surface treatment</li> <li>● Waste reduction process</li> </ul>
Associate Professor	 M.-W. Wu	886-2-27712171-2721	<a href="mailto:mwwu@ntut.edu.tw">mwwu@ntut.edu.tw</a>	Ph.D., Department of Materials Science & Engineering, National Taiwan University	<ul style="list-style-type: none"> <li>● Powder metallurgy</li> <li>● Sintering theory</li> <li>● Metal materials</li> <li>● Material analysis,</li> <li>● Material mechanical properties and failure behavior</li> <li>● Thermodynamic simulation</li> </ul>
Assistant Professor	 C.-P. Chen	886-2-27712171-2725	<a href="mailto:cpc@ntut.edu.tw">cpc@ntut.edu.tw</a>	Ph.D., Department of Electrical Engineering, Texas A&M University, USA	<ul style="list-style-type: none"> <li>● Biocompatible electrical stimulating electrode</li> <li>● Metal / metal oxide energy materials</li> <li>● Electrochemical coating and surface treatment technology</li> <li>● Functional alloy nanomaterials</li> </ul>
Lecturer	 C.-F. Chang	886-2-27712171-2715	<a href="mailto:f10306@ntut.edu.tw">f10306@ntut.edu.tw</a>	Ph.D. candidate, National Taiwan Ocean University Department of Material Engineering	<ul style="list-style-type: none"> <li>● Applied chemistry</li> <li>● Metals histology</li> <li>● <a href="#">Engineering mathematics</a></li> <li>● Engineering economics</li> </ul>
Lecturer	 C. Liang	886-2-27712171-2716	<a href="mailto:lcheng@ntut.edu.tw">lcheng@ntut.edu.tw</a>	Ph.D. candidate, National Taiwan University of Science and Technology Department of Materials Science and Technology	<ul style="list-style-type: none"> <li>● Mechanical metallurgy</li> <li>● Powder metallurgy</li> <li>● Physical metallurgy</li> </ul>
Lecturer	 W.-J. Lee	886-2-27712171-2710	<a href="mailto:wjlee@ntut.edu.tw">wjlee@ntut.edu.tw</a>	M.S., Department of Geosciences Master National Taiwan University	<ul style="list-style-type: none"> <li>● Geology</li> <li>● Mineralogy</li> <li>● Petrology</li> <li>● Structural geology</li> <li>● Geographic information system</li> </ul>