

Name	Email	Research Interests
<b>Bundit Limmeechokchai</b> , D.Eng. (Asian Institute of Technology (AIT))	bundit@siit.tu.ac.th	<ul style="list-style-type: none"> <li>• Energy efficiency, economics, planning and policy</li> <li>• GHG mitigation</li> <li>• Modeling of energy and environment systems</li> <li>• Low-carbon technologies</li> <li>• Nano energy with application in renewable energy technologies and thermal management of integrated circuits (IC)</li> </ul>
<b>Chung-Hao Hsu</b> , Ph.D. (Texas A&M University)	chung-hao@siit.tu.ac.th	<ul style="list-style-type: none"> <li>• Materials sciences and engineering</li> <li>• Nanotechnology fabrication</li> <li>• Mechanical design and automotive engineering</li> <li>• Finance theory in technology management</li> <li>• Applied operations research</li> <li>• Data mining</li> </ul>
<b>Jirachai Buddhakulsomsiri</b> , Ph.D. (Oregon State University)	jirachai@siit.tu.ac.th	<ul style="list-style-type: none"> <li>• Production planning and control</li> <li>• Systems simulation</li> <li>• Engineering economics analysis</li> <li>• Logistics and supply chain management</li> <li>• Business Intelligence</li> <li>• Inference and Data Mining</li> <li>• Decision Support System</li> <li>• Optimization in Supply chain</li> <li>• Energy System and Online Advertising</li> <li>• Quality Management</li> <li>• Cellular manufacturing systems (CMS)</li> <li>• Advanced manufacturing systems</li> <li>• Systems simulation</li> <li>• Production planning and control</li> <li>• Supply chain management</li> <li>• Production and Inventory control (P&amp;IC) systems, JIT, MRP, and TOC</li> <li>• P&amp;IC systems for Thai industries</li> <li>• P&amp;IC in supply chain</li> <li>• Applied operations research</li> <li>• Systems simulation</li> <li>• Refrigeration systems</li> <li>• Structured light system-based selective data acquisition</li> <li>• Reverse engineering</li> <li>• Application of image processing in manufacturing process</li> <li>• Adaptive layered manufacturing</li> <li>• CAD/CAM</li> <li>• Lifecycle Engineering and Environmental Impact Assessment</li> <li>• Exergy and Resource Accounting</li> <li>• Design-for-Environment (DFE)</li> </ul>
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<b>Thananchai Leephakpreeda</b> , Ph.D. (The University of Akron)	thanan@siit.tu.ac.th	<ul style="list-style-type: none"> <li>• Process control and modeling</li> <li>• Robotics</li> <li>• Expert control systems</li> <li>• Neural networks and fuzzy logics</li> <li>• System identification</li> <li>• Numerical simulation and optimization</li> <li>• Nuclear fission</li> <li>• Nuclear fusion</li> <li>• Neutron and radiation sources</li> <li>• Plasma technology and applications</li> <li>• Radiation Protection</li> <li>• Systems Biology</li> <li>• Biomedical Mechanics</li> <li>• Neurosurgical Systems</li> <li>• Cardiovascular Systems</li> <li>• Simulation Modeling</li> <li>• Signal Analysis</li> <li>• Computational Fluid Dynamics (CFD)</li> <li>• Thermal power plants</li> <li>• Boiler and furnace technology</li> <li>• Combustion and emission control in boilers fired with fossil fuels</li> <li>• Fluidized-bed combustion (FBC) of biomass residues and wastes</li> <li>• Assessment of environmental impacts by thermal power plants and FBC systems</li> </ul>
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