

Name	Email	Research Interests
<b>Banlue Srisuchinwong</b> , Ph.D. (University of Manchester (UMIST))	banlue@siit.tu.ac.th	<ul style="list-style-type: none"> <li>• Microelectronics</li> <li>• Periodic/chaotic circuits and systems</li> <li>• Logic-based knowledge representation and reasoning</li> <li>• Description logics</li> <li>• Knowledge engineering</li> <li>• Semantic Web</li> <li>• Graph algorithms</li> </ul>
<b>Boontawee Suntisrivaraporn</b> , D.Eng. (Dresden University of Technology)	sun@siit.tu.ac.th	<ul style="list-style-type: none"> <li>• Medical image processing</li> <li>• Pattern recognition</li> </ul>
<b>Bunyarit Uyyanonvara</b> , PhD (King's College, University of London)	bunyarit@siit.tu.ac.th	<ul style="list-style-type: none"> <li>• Multidimensional systems and signal processing</li> <li>• Image processing/pattern recognition</li> <li>• Wavelet and filter bank</li> <li>• Signal processing for communication</li> <li>• Channel coding</li> <li>• Artificial intelligence</li> <li>• Machine learning</li> </ul>
<b>Chalie Charoenlarnopparut</b> , Ph.D. (The Pennsylvania State University, University Park)	chalie@siit.tu.ac.th	<ul style="list-style-type: none"> <li>• Knowledge discovery and data mining</li> <li>• Artificial intelligence applications in distance learning</li> <li>• Pattern recognition</li> <li>• Knowledge representation</li> <li>• Automated reasoning</li> <li>• Semantic web</li> <li>• Information extraction</li> </ul>
<b>Cholwich Nattee</b> , D.Eng. (Tokyo Institute of Technology)	cholwich@siit.tu.ac.th	<ul style="list-style-type: none"> <li>• Scientific computing and numerical analysis, with focus on intersection problems and optimization</li> <li>• Robust and adaptive control</li> <li>• Iterative control</li> </ul>
<b>Ekawit Nantajeewarawat</b> , D.Eng. (Asian Institute of Technology (AIT))	ekawit@siit.tu.ac.th	<ul style="list-style-type: none"> <li>• System identification</li> <li>• Nonlinear systems</li> <li>• Mechatronics</li> <li>• Robotics</li> <li>• Electrical power systems</li> <li>• Mobile Code</li> <li>• Internet and Computer Networking including: <ul style="list-style-type: none"> <li>- Wireless Mesh Networks</li> <li>- Heterogeneous internetworking</li> <li>- Active Networks</li> <li>- Mobile Agents</li> <li>- Overlay Service Networks</li> <li>- Self-healing Networks</li> <li>- Cross-layer Protocol Design and Analysis</li> <li>- Network Virtualization</li> </ul> </li> </ul>
<b>Itthisek Nilkhamhang</b> , Ph.D. (Keio University)	itthisek@siit.tu.ac.th	<ul style="list-style-type: none"> <li>• Artificial Intelligence</li> <li>• Multi-agents</li> </ul>
<b>Komwut Wipusitwarakun</b> , Ph.D. (Osaka University)	komwut@siit.tu.ac.th	<ul style="list-style-type: none"> <li>• Artificial Intelligence</li> <li>• Multi-agents</li> </ul>
<b>Nguyen Duy Hung</b> , Ph.D. (Asian Institute of Technology (AIT))	hung@siit.tu.ac.th	<ul style="list-style-type: none"> <li>• Artificial Intelligence</li> <li>• Multi-agents</li> </ul>

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- Argumentation
  - Proof Procedures
  - Dialogues
  - Contract Dispute Resolution Systems
  - Algebraic topology
  - Cryptography
  - Intelligent User Interface (IUI)
  - Machine learning
  - Information retrieval
  - Data mining
  - Applied mathematics
  - Image processing
  - Acoustic processing
  - Wireless communications
  - Cognitive radio
  - Indoor positioning principles and localization techniques
  - Computational neuroscience
  - Energy-efficient coding
  - Poisson process and Poisson convergence
  - Software Engineering
  - Semantic Web and Knowledge Engineering
  - Service Science and Service Innovation
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- Wireless communications and networking
  - Resource allocation and scheduling
  - Performance analysis of queuing systems
  - Optimization
  - Smart grid
  - Forecasting
  - Robotics
  - Image processing
  - Pattern Recognition
  - Grid generation
  - Telecommunications
  - Internet and computer networking including:
    - Wireless networks
    - Satellite internet
    - Wireless security
    - Distributed computing and middleware
    - Formal methods and Petri nets
    - System protocol design and analysis
  - Geographic Information System (GIS)
  - Urban Computing
  - Geospatial Databases and Data Mining
  - Spatial Analysis
  - Open Source Software and Open Standards Development
  - Natural language processing
  - Artificial Intelligence
  - Knowledge data discovery
  - Information retrieval

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**Waree Kongprawechnon**, Ph.D. (The University of Tokyo)

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- Data mining
- Machine Learning (ML)
- Intelligent information systems
- Digital image processing (esp. feature detection and segmentation in 2-D and 3-D)
- Computer vision (esp. depth estimation and motion estimation)
- Pattern recognition (esp. human face recognition)
- The theory in  $H^\infty$  control
- Control theory
- Robust control
- System identification
- Modeling
- Adaptive control
- Learning control
- Neural network
- Machine learning