






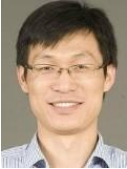








Supervisor Available (Advanced Manufacturing and Materials)			
Supervisor		Research Interests	E-mail Address
	ZHANG Yunfeng Associate Professor	1. Computational Intelligence in Design & Manufacture (1) Reverse Engineerin (2) CAPP & Production Scheduling (3) Multi-axis tool-path and trajectory planning 2. UAV an its Applications	mpezyf@nus.edu.sg
	FUH Ying Hsi, Jerry Professor	1. Additive Manufacturing 2. 3D Bioprinting 3. Metal/ceramic 3D printing 4. AM for biomedical applications	mpefuhyh@nus.edu.sg
	LU Li Professor	1. Functional Materials 2. Thin Film Deposition 3. Nanostructured Materials	luli@nus.edu.sg



	<p>LU Wen Feng Associate Professor</p>	<ol style="list-style-type: none"> 1. CAD/CAM 2. Additive manufacturing 3. Manufacturing system analytic Sustainable design and manufacturing 4. Intelligent Manufacturing 	<p>mpelwf@nus.edu.sg</p>
	<p>XU Guo Qin Professor</p>	<ol style="list-style-type: none"> 1. Surface chemistry 2. Nanostructures and photocatalysis 	<p>chmxugq@nus.edu.sg</p>
	<p>YIP Hon Kay, John Associate Professor</p>	<ol style="list-style-type: none"> 1. Design and synthesis of inorganic- or organometallic-based photocatalysts for renewable energy technologies such as CO₂ and proton reductions and C-H bond activation 2. Construction of inorganic supramolecular systems which are capable of energy transduction, i.e. conversion of chemical energy or light energy to mechanical motions 	<p>chmyiphk@nus.edu.sg</p>
	<p>WU Jie Associate Professor</p>	<ol style="list-style-type: none"> 1. Continuous flow synthesis & manufacturing 2. Automated synthesis 3. Green chemistry 4. Photocatalysis 	<p>chmjie@nus.edu.sg</p>





	<p>ZHANG Huangwei Assistant Professor</p>	<ol style="list-style-type: none"> 1. Combustion theory and modelling 2. Turbulent combustion modelling 3. Multiphase combustion 4. Turbulent fire modelling 5. High performance computing of reacting flows and parallel algorithm development 	<p>huangwei.zhang@nus.edu.sg</p>
	<p>WANG Hao, Victor Assistant Professor</p>	<ol style="list-style-type: none"> 1. Ultra-precision machining and polishing 2. hybrid machining and manufacturing 	<p>mpewhao@nus.edu.sg</p>




Supervisor Available (Intelligent Sensing and AI)




Supervisor		Research Interests	E-mail Address
 <p>WU Yihong Professor</p>	<ol style="list-style-type: none"> 1. optoelectronics 2. optical data storage 3. magnetic data storage spintronics (particularly spin-charge conversion and related devices) 4. 2D carbon nanostructures 	elewuyh@nus.edu.sg	
 <p>GUO Yongxin Professor</p>	<ol style="list-style-type: none"> 3. microstrip antennas 4. implantable/wearable antennas 5. 3D printed antennas 6. MMIC modeling and design RF energy harvesting and wireless power 7. RF and millimeter-wave sensing for wireless communications 8. IoTs and biomedical applications 	Yongxin.guo@nus.edu.sg	
 <p>HUANG Zhiyong Associate Professor</p>	<ol style="list-style-type: none"> 1. computer graphics 2. large data visualization 3. human-robot interface 	huangzy@comp.nus.edu.sg	


	<p>OUYANG Jianyong Associate Professor</p>	<ol style="list-style-type: none"> 1. Energy Materials and Devices 2. Nanometer Materials and Devices 3. Organic Electronic Materials and Devices 	<p>mseoj@nus.edu.sg</p>
	<p>WANG Xinchao Assistant Professor</p>	<ol style="list-style-type: none"> 1. (In Alphabetical Order) Artificial Intelligence 2. Computer Vision 3. Combinatorial Optimization 4. Machine Learning 5. Media Image Analysis 6. Multimedia, Signal Processing 	<p>xinchao@nus.edu.sg</p>

Supervisor Available (Modern Logistics)			
Supervisor		Research Interests	Contact
	TEO Chung Piaw Professor	<ol style="list-style-type: none"> 1. Optimisation Under Uncertainty 2. Optimisaiton Uncertainty 3. Discrete Choice 4. Supply Chain Management 5. Social Choice 6. Combinatorial Optimisation 7. Inventory Theory 8. Operations Research 	Liaison: Eng Pui Leng E-mail Address: oraep1@nus.edu.sg
	MENG Qiang Professor	<ol style="list-style-type: none"> 1. transportation network modeling and optimization 2. shipping and intermodal freight transportation analysis 3. quantitative risk assessment (QRA) of transport operations 	

	<p>CHOU, Mabel Associate Professor</p>	<ol style="list-style-type: none"> 1. Inventory And Warehouse Management 2. Logistics And Supply Chain Analysis 3. Operations And Marketing Interface 4. Operations Research Applications in Health Care 5. Operations/manufacturing Flexibility 6. Design And Analysis 7. Optimisation With Uncertainty 8. Production Scheduling 	
	<p>WU, Yaozhong Associate Professor</p>	<p>Behavioral Operations Management</p>	
	<p>PANG, James Associate Professor</p>	<ol style="list-style-type: none"> 1. Supply Chain Analytics and Operations Management 2. Healthcare Analytics 3. Manufacturing System Planning and Scheduling 4. Big Data Analytics 5. Software System Architecture 	
	<p>HE Long Associate Professor</p>	<ol style="list-style-type: none"> 1. use data-driven approaches to address problems in smart city operations (e.g., vehicle sharing, last-mile delivery) 2. supply chain management 	

Supervisor Available (Finance and Financial Risk Management)			
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	CHEN Ying Associate Professor	<ol style="list-style-type: none"> 1. Forecasting and Business Intelligence 2. Non-stationary Time Series Analysis 3. High Frequency Data and Limit Order Book 4. Functional Data Analysis and Network Analytics 5. Text Mining and Sentiment Analysis 6. Renewable Energy Data Analytics 7. Risk Management 8. Crypto Blockchain 	matcheny@nus.edu.sg

	<p>KE Bin Professor</p>	<ol style="list-style-type: none"> 1. Financial Reporting and Disclosure 2. Corporate Governance and Investor Protection 3. Insider Trading 4. Institutional Investors and Financial Analysts 5. Entrepreneurship And Family Firms 6. State Owned Enterprises 7. Social Media and Big Data 8. Taxes And Business Strategies 	<p>bizk@nus.edu.sg</p>
	<p>QIAN Wenlan Associate Professor</p>	<ol style="list-style-type: none"> 1. Household Finance 2. Real Estate 3. Digitization And Fintech 4. Financial Intermediaries 5. Short Sellers 	<p>wenlan.qian@nus.edu.sg</p>
	<p>XIA Yingcun Professor</p>	<ol style="list-style-type: none"> 1. Measure of nonlinear dependence Dimension reduction 2. Financial time series 3. Environment statistics 	<p>staxyc@nus.edu.sg</p>

	ZHOU Chao Associate Professor	<ol style="list-style-type: none">1. Second order backward stochastic differential equations (2BSDEs)2. Stochastic control in finance and insurance3. Valuation adjustments4. Principal-Agent problems5. Data analytics and information acquisition6. Deep learning methods	matzc@nus.edu.sg
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