

## NTU Supervisors & Projects

### Computer Engineering

Supervisor	Email Contact	Research areas of potential PhD studies
Tan Eng Chong	ASECTAN@ntu.edu.sg	Signal Processing; Biomedical Signal Analysis and Applications; Bioinformatics; Computational Intelligence; Electronic Design, Instrumentation and Measurement; Numerical Methods and Analysis
Chng Eng Siong	ASESChng@ntu.edu.sg	Speech processing, spoken document retrieval and signal processing
Quek Hiok Chai	ASHCQUEK@ntu.edu.sg	Computational Intelligence, Artificial Intelligence, Neurocognitive Science, Intelligence Systems, Computational Finance, Intelligent/Neural Control
Ian McLoughlin	mcloughlin@ntu.edu.sg	Speech and audio, Embedded systems, Speech and audio (including Chinese)
Amitabha Das	ASADAS@ntu.edu.sg	Network Security and Wireless and Sensor Networks
Sudha Natarajan	Sudha@ntu.edu.sg	Biometrics, Vision and Signal Processing, Embedded systems, Neural networks
Chia LiangTien	Clement_Chia@pmail.ntu.edu.sg	Internet related research with emphasis on the Semantic Web and Multimedia Understanding through media analysis, annotation and adaptation
Lin Weisi	WSLin@ntu.edu.sg	Image processing, compression and analysis, perception-based modeling and quality metrics, visual object segmentation and recognition, and multimedia communication
Manoranjan Dash	ASMDash@ntu.edu.sg	Intelligent/Neural Control
Li Jinyan	JYLi@ntu.edu.sg	Data Mining, Machine Learning and Bioinformatics
Vivekanand Gopalkrishnan	ASVivek@ntu.edu.sg	Data Warehousing & OLAP, Multi Query Optimization, Approximate Querying
Jagath Rajapakse	ASJagath@ntu.edu.sg	Bioinformatics and Bio-imaging
Tan Ah Hwee	ASAHTan@ntu.edu.sg	Cognitive and neural systems, machine learning and intelligent agents
Deepu Rajan	ASDRajan@ntu.edu.sg	Video processing/multimedia understanding and current research interest is in human motion analysis
Hsu Wen Jing	hsu@pmail.ntu.edu.sg	Parallel and distributed systems in general, done work in computer simulations and sensor networks
Turner Stephen	ASSJTurner@ntu.edu.sg	Parallel and Distributed Simulation; Parallel Algorithms and Languages; Parallel and Distributed Programming Tools; Grid Computing; Multi-Agent Systems
Tan Su Lim	ASSLTan@ntu.edu.sg	Embedded systems design, sensor interfacing, signal processing and fusion. In the area of embedded systems design
Seow Kiam Tian	ASKTSeow@ntu.edu.sg	Multiagent systems and supervisory control of discrete-event systems
Patra Jagdish	ASPatra@ntu.edu.sg	Intelligent signal processing for prediction, classification and characterization of systems and development of intelligent sensors
Loh Kok Keong, Peter	ASKKLOH@ntu.edu.sg	Energy-efficient, fault-tolerant routing protocols for WSNs
Lin Feng	ASFLIN@ntu.edu.sg	Bioinformatics, Bioimaging and Visualization, High-Performance Computing
Kwoh Chee Keong	ASCKKWOH@ntu.edu.sg	Bioinformatics; Data mining techniques: numerical

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		expert systems; probabilistic reasoning
Goh Eck Soong, Angela	ASESGoh@ntu.edu.sg	Agent Technology
Vinod A. Prasad	ASVinod@ntu.edu.sg	1. Real-time Spectrum Estimation Technique for Software Defined Radio Receiver Handset 2. A Robust Brain-Computer Interface for Communication and Control
Lee Bu Sung	EBSLee@ntu.edu.sg	Grid Technology and Wireless Network
Ng Wee Keong	AWKNg@ntu.edu.sg	Intelligent Systemes
A S Madhukumar	ASMadhukumar@ntu.edu.sg	Cognitive Radio, Future Wireless Communication Systems
Cai Jianfei	asjfc@ntu.edu.sg	Multimedia processing, mobile media
Abdul Wahab bin Abdul Rahman	asabdul@ntu.edu.sg	Cognitive Science and Engineering
Andrzej Sluzek	assluzek@ntu.edu.sg	Intelligent robotics, machine vision
Alexei Sourin	assourin@ntu.edu.sg	Computer graphics, shape modeling, virtual reality
Vitali Zagorodnov	zvitali@ntu.edu.sg	Medical Imaging
Maylor Leung	asmkleung@ntu.edu.sg	Computer vision and image processing
Annamalai Benjamin Premkumar	asannamalai@ntu.edu.sg	Wireless communication and digital signal processing
Anwitaman Datta	anwitaman@ntu.edu.sg	Distributed and P2P systems, Mobility, Web 2.0 and Social Networks
Cai Wentong	aswtcai@ntu.edu.sg	Distributed Systems and Computer Simulation
Cham Tat Jen	astjcham@ntu.edu.sg	Computer vision, projector-camera systems
Chan Syin	asschan@ntu.edu.sg	Multimedia Understanding
Chang Kuiyu	askychang@ntu.edu.sg	Web/Text/Data Mining, Chinese Information Retrieval
Chaudhari Narendra Shivaji	asnarendra@ntu.edu.sg	Game AI, Computational Learning, Neural networks, Data Mining
Cho Siu Yeung, David	davidcho@pmail.ntu.edu.sg	Computational Intelligence, Pattern Recognition and Computer Vision
Foh Chuan Heng	aschfoh@ntu.edu.sg	Wireless networks; communication protocol designs.
Fong Cheuk Ming, Alvis	ascmfong@ntu.edu.sg	Internet and multimedia technologies/applications (e.g. Information Processing)
Fu Chengpeng, Franklin	ascpfu@ntu.edu.sg	Network protocol and architecture, network security
Goh Wooi Boon	aswbgoh@ntu.edu.sg	Computer Vision, Human-Computer Interaction, Interactive Multimedia Systems
He Ying	yhe@ntu.edu.sg	Computer graphics, computer-aided geometric design, scientific visualization
Henry Johan	henryjohan@ntu.edu.sg	Real-time graphics, non-photorealistic rendering, computer animation, geometric modeling
Hoi Chu Hong, Steven	chhoi@ntu.edu.sg	Machine Learning and Data Mining, Multimedia Information Retrieval, Web Search and Mining, Pattern Recognition
Huang Shell Ying	assyhuang@ntu.edu.sg	Intelligent agent, semantic networks, multi-agent systems, simulation-based decision support
Hui Siu Cheung	asschui@ntu.edu.sg	Text mining, NLP, information retrieval, e-learning
Kong Wai Kin, Adams	adamskong@ntu.edu.sg	Biometric security, pattern recognition and image processing
Lau Chiew Tong	asctlau@ntu.edu.sg	Wireless Communications, Cognitive Radio, Mobile Adhoc network, Communication Systems
Leung Maylor	asmkleung@ntu.edu.sg	Computer Vision: robot vision for navigation and object identification, human body motion analysis for video surveillance;
Low Yoke Hean, Malcolm	yhlow@ntu.edu.sg	Parallel and Distributed Computing, Modelling and Simulation, Operations Research (Planning and Scheduling, Optimization), Multi-agent Systems
Maskell Douglas	asdouglas@ntu.edu.sg	Reconfigurable Computing

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Mueller-Wittig Karl Wolfgang	askwmwittig@ntu.edu.sg	Computer graphics, virtual & augmented reality
Ng Geok See	asgsng@ntu.edu.sg	Machine learning, cognitive vision and neural fuzzy systems with applications in biomedical, financial modeling and human-computer interface.
Ong Yew Soon	asysong@ntu.edu.sg	Evolutionary & Memetic Computing
Pasquier Michel	pasquier@pmail.ntu.edu.sg	AI, Cognitive Systems, Machine Learning
Sabu Emmanuel	asemmanuel@ntu.edu.sg	Multimedia Security, Digital Rights Management (DRM), Multimedia Forensics, Surveillance Video Processing
Seah Hock Soon	ashsseah@ntu.edu.sg	Computer graphics, animation, image processing, computer vision and augmented reality
Shen Haifeng	ashfshen@ntu.edu.sg	Human Computer Interaction and Collaboration, Computer Supported Cooperative Work, Web Computing, Distributed Systems, Software Engineering, Collaborative Virtual Environments, and Information Systems.
Shi Daming	asdmshi@ntu.edu.sg	Machine Learning, Neural Networks, Image Processing and Computer Vision
Sourav Saha Bhowmick	assourav@ntu.edu.sg	Data Mining, Systems Biology data management, Web data management, XML data management
Srikanthan Thambipillai	astsrikan@ntu.edu.sg	Algorithms to Architectures; Re-configurable computing; Embedded Systems; Design Methodologies
Sun Aixin	axsun@ntu.edu.sg	Text/Web Mining, Information Retrieval, Digital Libraries
Tang Xueyan	asxytang@ntu.edu.sg	Mobile and pervasive computing, wireless sensor networks, distributed systems, Web and Internet
Tay Leng Phuan, Alex	aslptay@ntu.edu.sg	Investigations into Cognitive Autonomous Robotic Systems
Xu Dong	dongxu@ntu.edu.sg	Computer Vision and Multimedia Content Analysis
Yeo Chai Kiat	asckyeo@ntu.edu.sg	Mobile and Adhoc Networks, P2P Systems, Overlay Networks, Speech Enhancement and Processing
Yow Kin Choong	kcyow@ntu.edu.sg	Computer Vision, image processing, wireless network, mobile computing, computational intelligence
Zhang Jun	jzhang@ntu.edu.sg	Databases and Web
Zheng Jianmin	asjmzheng@ntu.edu.sg	Computer graphics, geometric modeling, visualization, computer animation, CAD/CAM, digital media processing
Zhou Suiping	asspzhou@ntu.edu.sg	Distributed Virtual Environments, Massively Multiplayer Online Games, Human Behavior Representation for Computer Games
Sun Chengzheng	czsun@ntu.edu.sg	Computer-Supported Cooperative (CSCW), distributed systems and computer communication networks, human-computer interaction, and software engineering
Ramakrishna Kakarala	ramakrishna@ntu.edu.sg	Computational photography; smart sensors
Bertil Schmidt	asbschmidt@ntu.edu.sg	High Performance Computing, Bioinformatics, Parallel Computing, GPGPU, FPGAs
Wong Kai Juan, Steven	askjwong@ntu.edu.sg	Wireless Sensor Network, Mobile Ad-hoc Networks, Embedded Systems
Wang Ping	wangping@ntu.edu.sg	Wireless networking, multimedia communications, radio resource management

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