

**SINGAPORE UNIVERSITY OF TECHNOLOGY AND DESIGN - List of Supervisors**

**ARCHITECTURE AND SUSTAINABLE DESIGN (ASD) PILLAR**

Faculty / Supervisor	Email Contact	Research Interests (Potential PhD Project Title/Area)
<p><b>Michael BUDIG</b>  <a href="http://asd.sutd.edu.sg/faculty/michael-budig/">http://asd.sutd.edu.sg/faculty/michael-budig/</a></p>	<p><a href="mailto:michael_budig@sutd.edu.sg">michael_budig@sutd.edu.sg</a></p>	<ul style="list-style-type: none"> <li>• Construction design with the implementation of digital design and fabrication technologies</li> <li>• Parametric design</li> <li>• Timber construction, concrete construction, tropical architecture and construction</li> <li>• Material consumption</li> </ul>
<p><b>Carlos BAÑÓN</b>  <a href="http://asd.sutd.edu.sg/faculty/carlos-banon/">http://asd.sutd.edu.sg/faculty/carlos-banon/</a></p>	<p><a href="mailto:carlos_banon@sutd.edu.sg">carlos_banon@sutd.edu.sg</a></p>	<ul style="list-style-type: none"> <li>• Design Thinking</li> <li>• Architecture Practice and Parametric Design</li> <li>• Computation Pertaining to the Description, Generation and Construction of Architecture and Urban Environments</li> <li>• Digital Fabrication and Design Optimization</li> </ul>
<p><b>CHONG Keng Hua</b>  <a href="http://asd.sutd.edu.sg/faculty/chong-keng-hua/">http://asd.sutd.edu.sg/faculty/chong-keng-hua/</a></p>	<p><a href="mailto:chongkenghua@sutd.edu.sg">chongkenghua@sutd.edu.sg</a></p>	<ul style="list-style-type: none"> <li>• People-environment studies and public space design</li> <li>• Social sustainability and participatory community design process</li> <li>• Socio-cultural cognition of space and architectural representation</li> </ul>
<p><b>Stylianos DRITSAS</b>  <a href="http://asd.sutd.edu.sg/faculty/stylianos-dritsas/">http://asd.sutd.edu.sg/faculty/stylianos-dritsas/</a></p>	<p><a href="mailto:dritsas@sutd.edu.sg">dritsas@sutd.edu.sg</a></p>	<ul style="list-style-type: none"> <li>• Design Computation</li> <li>• Building Envelopes</li> <li>• Digital Fabrication</li> <li>• Construction Automation</li> <li>• Design Optimization</li> </ul>

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<b>Oliver HECKMANN</b> <a href="http://asd.sutd.edu.sg/faculty/oliver-heckmann/">http://asd.sutd.edu.sg/faculty/oliver-heckmann/</a>	<a href="mailto:oliver_heckmann@sutd.edu.sg">oliver_heckmann@sutd.edu.sg</a>	<ul style="list-style-type: none"> <li>• Architectural design</li> <li>• Innovative housing with focus on urban context and inclusion</li> <li>• Urban transformations</li> <li>• Frictions and revitalisation</li> </ul>
<b>Jeffrey HUANG</b> <a href="http://asd.sutd.edu.sg/faculty/jeffrey-huang/">http://asd.sutd.edu.sg/faculty/jeffrey-huang/</a>	<a href="mailto:jeffrey_huang@sutd.edu.sg">jeffrey_huang@sutd.edu.sg</a>	<ul style="list-style-type: none"> <li>• Computational Urbanism</li> <li>• Interactive Architecture</li> <li>• Smart Cities</li> <li>• Parametric Design</li> <li>• Artificial Morphogenesis</li> <li>• Design Thinking</li> </ul>
<b>J. Alstan JAKUBIEC</b> <a href="http://asd.sutd.edu.sg/faculty/j-alstan-jakubiec/">http://asd.sutd.edu.sg/faculty/j-alstan-jakubiec/</a>	<a href="mailto:john_jakubiec@sutd.edu.sg">john_jakubiec@sutd.edu.sg</a>	<ul style="list-style-type: none"> <li>• Daylighting</li> <li>• Visual Comfort and Environmental Controls</li> <li>• Energy</li> <li>• Urban Sustainability</li> </ul>
<b>Sam Conrad Joyce</b> <a href="http://asd.sutd.edu.sg/faculty/sam-conrad-joyce/">http://asd.sutd.edu.sg/faculty/sam-conrad-joyce/</a>	<a href="mailto:sam_joyce@sutd.edu.sg">sam_joyce@sutd.edu.sg</a>	<ul style="list-style-type: none"> <li>• Design Optimization</li> <li>• Design Space Exploration</li> <li>• Digital Morphogenesis</li> <li>• Scalable and Distributed Systems</li> <li>• Data Analytics and Artificial Intelligence</li> <li>• Web Based Visualisation</li> </ul>
<b>Sawako KAIJIMA</b> <a href="http://asd.sutd.edu.sg/faculty/sawako-kaijima/">http://asd.sutd.edu.sg/faculty/sawako-kaijima/</a>	<a href="mailto:sawakokaijima@sutd.edu.sg">sawakokaijima@sutd.edu.sg</a>	<ul style="list-style-type: none"> <li>• Computation Pertaining to the Description, Generation, and Construction of Architecture and Urban Environments</li> <li>• Design Performance and Architectural Operations Research</li> <li>• Structural Analysis and Tools</li> </ul>

Faculty / Supervisor	Email Contact	Research Interests (Potential PhD Project Title/Area)
<b>Felix RASPALL</b> <a href="http://asd.sutd.edu.sg/faculty/felix-raspall/">http://asd.sutd.edu.sg/faculty/felix-raspall/</a>	<a href="mailto:felix_raspall@sutd.edu.sg">felix_raspall@sutd.edu.sg</a>	<ul style="list-style-type: none"> <li>• Design Thinking and Methods</li> <li>• Design Computation</li> <li>• Sensing technologies</li> <li>• Digital Fabrication</li> <li>• Informal and vernacular construction</li> </ul>
<b>Thomas SCHROEPFER</b> <a href="http://asd.sutd.edu.sg/faculty/thomas-schroepfer/">http://asd.sutd.edu.sg/faculty/thomas-schroepfer/</a>	<a href="mailto:thomas.schroepfer@sutd.edu.sg">thomas.schroepfer@sutd.edu.sg</a>	<ul style="list-style-type: none"> <li>• Environmental Strategies in Architecture and Urban Design</li> <li>• Climate-Responsive Design Optimisation and Integration</li> <li>• Advanced Design Methods and Building Processes</li> <li>• Innovative Building Structure and Form</li> </ul>
<b>Kenneth TRACY</b> <a href="http://asd.sutd.edu.sg/faculty/kenneth-tracy/">http://asd.sutd.edu.sg/faculty/kenneth-tracy/</a>	<a href="mailto:kenneth_tracy@sutd.edu.sg">kenneth_tracy@sutd.edu.sg</a>	<ul style="list-style-type: none"> <li>• Material Simulation</li> <li>• Applied Building Information Modeling</li> <li>• Traditional/Contemporary Craft Techniques</li> <li>• Automated and Manual Construction Integration</li> </ul>
<b>Bige TUNCER</b> <a href="http://asd.sutd.edu.sg/faculty/bige-tuncer/">http://asd.sutd.edu.sg/faculty/bige-tuncer/</a>	<a href="mailto:bige_tuncer@sutd.edu.sg">bige_tuncer@sutd.edu.sg</a>	<ul style="list-style-type: none"> <li>• Information Architecture</li> <li>• Building Information Modelling</li> <li>• Design Learning Environments</li> </ul>
<b>YEO Kang Shua</b> <a href="http://asd.sutd.edu.sg/faculty/yeo-kang-shua/">http://asd.sutd.edu.sg/faculty/yeo-kang-shua/</a>	<a href="mailto:yeokangshua@sutd.edu.sg">yeokangshua@sutd.edu.sg</a>	<ul style="list-style-type: none"> <li>• Architecture and Sustainable Design and Practice</li> <li>• Architectural Conservation and Digitisation</li> <li>• Architectural History, Theory and Criticism</li> </ul>
<b>Christine YOGIAMAN</b> <a href="http://asd.sutd.edu.sg/faculty/christine-yogiaman/">http://asd.sutd.edu.sg/faculty/christine-yogiaman/</a>	<a href="mailto:christine_yogiaman@sutd.edu.sg">christine_yogiaman@sutd.edu.sg</a>	<ul style="list-style-type: none"> <li>• Material Behaviour and Logic in relation to sustainable material practice.</li> <li>• Craft in the intersection of Digital Manufacturing Technology</li> </ul>

\*You may wish to visit the Faculty/Supervisor's page for their latest research interests.

## ENGINEERING PRODUCT DEVELOPMENT (EPD) PILLAR

Faculty / Supervisor	Email Contact	Research Interests (Potential PhD Project Title/Area)
<b>Avinash BAJI</b> <a href="http://epd.sutd.edu.sg/faculty/avinash-baji/">http://epd.sutd.edu.sg/faculty/avinash-baji/</a>	<a href="mailto:avinash_baji@sutd.edu.sg">avinash_baji@sutd.edu.sg</a>	<ul style="list-style-type: none"><li>• Electrospun fibers and composites for tissue engineering applications.</li><li>• Polymer fibers for multifunctional applications.</li><li>• Stimuli responsive polymer fibers</li><li>• Polymer nanocomposites</li><li>• Self-cleaning, superhydrophobic and superhydrophilic materials</li></ul>
<b>Roland BOUFFANAIS</b> <a href="http://epd.sutd.edu.sg/faculty/roland-bouffanais/">http://epd.sutd.edu.sg/faculty/roland-bouffanais/</a> <a href="http://people.sutd.edu.sg/acg">http://people.sutd.edu.sg/acg</a>	<a href="mailto:bouffanais@sutd.edu.sg">bouffanais@sutd.edu.sg</a>	<ul style="list-style-type: none"><li>• Complexity in Engineering Systems</li><li>• Complexity in Biological Systems</li><li>• Complex Fluids</li><li>• Complexity in Physical &amp; Quantum Systems</li><li>• Complexity &amp; Architectural Design</li></ul>
<b>David BRAUN</b> <a href="http://epd.sutd.edu.sg/faculty/david-braun/">http://epd.sutd.edu.sg/faculty/david-braun/</a> <a href="http://people.sutd.edu.sg/~david_braun/">http://people.sutd.edu.sg/~david_braun/</a>	<a href="mailto:david_braun@sutd.edu.sg">david_braun@sutd.edu.sg</a>	<ul style="list-style-type: none"><li>• Human-machine interface</li><li>• Robotics</li><li>• Automation &amp; Control</li></ul>

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<p><b>Arief Suriadi BUDIMAN</b>  <a href="http://epd.sutd.edu.sg/faculty/arief-suriadi-budiman/">http://epd.sutd.edu.sg/faculty/arief-suriadi-budiman/</a></p>	<p><a href="mailto:asbudiman@sutd.edu.sg">asbudiman@sutd.edu.sg</a></p>	<ul style="list-style-type: none"> <li>• Nanomaterials characterization</li> <li>• Nanomechanical behaviors of materials</li> <li>• Advanced structural and functional materials design for next generation energy technologies</li> <li>• Design and materials for extreme environments (energy, military, aerospace applications)</li> <li>• Design for reliability of advanced devices/systems (micro/nanoelectronics, energy/solar PV, etc.)</li> <li>• Design and integration of advanced architecture for 3D IC (integrated circuit) technologies</li> </ul>
<p><b>Rajesh CHANDRAMOHANADAS</b>  <a href="http://epd.sutd.edu.sg/faculty/rajesh-chandramohanadas/">http://epd.sutd.edu.sg/faculty/rajesh-chandramohanadas/</a></p>	<p><a href="mailto:rajesh@sutd.edu.sg">rajesh@sutd.edu.sg</a></p>	<ul style="list-style-type: none"> <li>• Mechanistic understanding of Egress and Invasion of Human Malaria parasites using multi-disciplinary approaches</li> <li>• Characterization of host-pathogen communication systems in parasitic infections</li> <li>• Identification of novel drug targets and targeted design of pharmacologically active scaffolds</li> </ul>
<p><b>CHEN Lujie</b>  <a href="http://epd.sutd.edu.sg/faculty/chen-lujie/">http://epd.sutd.edu.sg/faculty/chen-lujie/</a></p>	<p><a href="mailto:chenlujie@sutd.edu.sg">chenlujie@sutd.edu.sg</a></p>	<ul style="list-style-type: none"> <li>• Optical metrology</li> <li>• Medical imaging</li> <li>• Visualisation and prototyping</li> </ul>
<p><b>Martin L. DUNN</b>  <a href="http://epd.sutd.edu.sg/faculty/martin-l-dunn/">http://epd.sutd.edu.sg/faculty/martin-l-dunn/</a></p>	<p><a href="mailto:martin_dunn@sutd.edu.sg">martin_dunn@sutd.edu.sg</a></p>	<ul style="list-style-type: none"> <li>• Mechanics and physics of materials and structures</li> <li>• Active materials, constitutive modelling of polymers and composites</li> <li>• Computational design, topology optimization</li> <li>• Additive manufacturing, 4D printing</li> <li>• Fracture and fatigue</li> </ul>
<p><b>Javier G. FERNANDEZ</b>  <a href="http://epd.sutd.edu.sg/faculty/javier-g-fernandez/">http://epd.sutd.edu.sg/faculty/javier-g-fernandez/</a></p>	<p><a href="mailto:javier.fernandez@sutd.edu.sg">javier.fernandez@sutd.edu.sg</a></p>	<ul style="list-style-type: none"> <li>• Material Science</li> <li>• Bio-Medical Engineering</li> <li>• Electrical Engineering</li> </ul>

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<b>FOONG Shaohui</b> <a href="http://epd.sutd.edu.sg/faculty/foong-shaohui/">http://epd.sutd.edu.sg/faculty/foong-shaohui/</a>	<a href="mailto:foongshaohui@sutd.edu.sg">foongshaohui@sutd.edu.sg</a>	<ul style="list-style-type: none"> <li>• Mechatronics and automation</li> <li>• Electromagnetic actuation and sensing</li> <li>• System dynamics and control</li> <li>• Medical devices</li> <li>• Unmanned systems and robotics</li> </ul>
<b>Michinao HASHIMOTO</b> <a href="http://epd.sutd.edu.sg/faculty/michinao-hashimoto/">http://epd.sutd.edu.sg/faculty/michinao-hashimoto/</a>	<a href="mailto:hashimoto@sutd.edu.sg">hashimoto@sutd.edu.sg</a>	<ul style="list-style-type: none"> <li>• Bio-medical engineering</li> </ul>
<b>HUANG Shaoying</b> <a href="http://epd.sutd.edu.sg/faculty/huang-shaoying/">http://epd.sutd.edu.sg/faculty/huang-shaoying/</a>	<a href="mailto:huangshaoying@sutd.edu.sg">huangshaoying@sutd.edu.sg</a>	<ul style="list-style-type: none"> <li>• Electromagnetic theories and applications</li> <li>• Magnetic resonance imaging (MRI)</li> <li>• Microwave/RF devices, antennas</li> <li>• Computational electromagnetics, especially the acceleration of calculations for periodic structures</li> <li>• EM modeling for nanostructures</li> </ul>
<b>Subburaj KARUPPPASAMY</b> <a href="http://epd.sutd.edu.sg/faculty/subburaj-karupppasamy/">http://epd.sutd.edu.sg/faculty/subburaj-karupppasamy/</a>	<a href="mailto:subburaj@sutd.edu.sg">subburaj@sutd.edu.sg</a>	<ul style="list-style-type: none"> <li>• Medical Imaging and Image Analysis</li> <li>• Medical Devices</li> <li>• Musculoskeletal biomechanics</li> <li>• Understanding long-term effects of physical activity / treatments in adolescents</li> </ul>
<b>Elica KYOSEVA</b> <a href="http://www.sutd.edu.sg/elica.aspx">http://www.sutd.edu.sg/elica.aspx</a> <a href="http://people.sutd.edu.sg/~elica_kyoseva">http://people.sutd.edu.sg/~elica_kyoseva</a>	<a href="mailto:elica_kyoseva@sutd.edu.sg">elica_kyoseva@sutd.edu.sg</a>	<ul style="list-style-type: none"> <li>• Quantum control of light and matter</li> <li>• Engineering of systems for quantum information processing</li> <li>• Control in open systems</li> <li>• Quantum state engineering</li> </ul>

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<b>LIM Seh Chun</b> <a href="http://epd.sutd.edu.sg/faculty/lim-seh-chun/">http://epd.sutd.edu.sg/faculty/lim-seh-chun/</a>	<a href="mailto:sehchun_lim@sutd.edu.sg">sehchun_lim@sutd.edu.sg</a>	<ul style="list-style-type: none"> <li>• Tribology of engineering materials</li> </ul>
<b>LOW Hong Yee</b> <a href="http://epd.sutd.edu.sg/faculty/hong-yee-low/">http://epd.sutd.edu.sg/faculty/hong-yee-low/</a>	<a href="mailto:hongyee_low@sutd.edu.sg">hongyee_low@sutd.edu.sg</a>	<ul style="list-style-type: none"> <li>• Micro and nonpatterning</li> <li>• Nanoimprinting</li> <li>• Biomimetic surfaces</li> </ul>
<b>LUO Jianxi</b> <a href="http://epd.sutd.edu.sg/faculty/luo/">http://epd.sutd.edu.sg/faculty/luo/</a>	<a href="mailto:jianxi_luo@sutd.edu.sg">jianxi_luo@sutd.edu.sg</a>	<ul style="list-style-type: none"> <li>• Innovation and entrepreneurship ecosystems</li> <li>• Network analysis of complex systems</li> <li>• Design decision tools and methods</li> <li>• Deprocess optimisation</li> <li>• Creativity techniques</li> </ul>
<b>Suranga NANAYAKKARA</b> <a href="http://epd.sutd.edu.sg/faculty/suranga-nanayakkara/">http://epd.sutd.edu.sg/faculty/suranga-nanayakkara/</a> <a href="http://asg.sutd.edu.sg">http://asg.sutd.edu.sg</a>	<a href="mailto:suranga@sutd.edu.sg">suranga@sutd.edu.sg</a>	<ul style="list-style-type: none"> <li>• Assistive technologies</li> <li>• Wearable devices</li> <li>• Haptic interfaces</li> <li>• Thermal interfaces</li> </ul>
<b>PEY Kin Leong</b> <a href="http://epd.sutd.edu.sg/faculty/pey-kin-leong/">http://epd.sutd.edu.sg/faculty/pey-kin-leong/</a> <a href="https://sites.google.com/site/kinleongpey2012/home">https://sites.google.com/site/kinleongpey2012/home</a>	<a href="mailto:peykinleong@sutd.edu.sg">peykinleong@sutd.edu.sg</a>	<ul style="list-style-type: none"> <li>• Cu interconnects and low-k materials reliability.</li> <li>• Physical analysis of gate dielectric breakdown.</li> <li>• Pulsed laser annealing for transistor engineering.</li> <li>• Nanosilicided hetero-junction wire and III-V nanowires for MOSFETs.</li> <li>• Nanowire-based devices for computational, memory, microbattery, photovoltaic and bio-applications.</li> </ul>

Faculty / Supervisor	Email Contact	Research Interests (Potential PhD Project Title/Area)
<b>Nagarajan RAGHAVAN</b> <a href="http://epd.sutd.edu.sg/faculty/nagarajan-raghavan/">http://epd.sutd.edu.sg/faculty/nagarajan-raghavan/</a>	<a href="mailto:nagarajan@sutd.edu.sg">nagarajan@sutd.edu.sg</a>	<ul style="list-style-type: none"> <li>• Material Science</li> <li>• Electronics Engineering</li> <li>• Infocomm Applications</li> </ul>
<b>Arlindo SILVA</b> <a href="http://epd.sutd.edu.sg/faculty/arlindo-silva/">http://epd.sutd.edu.sg/faculty/arlindo-silva/</a>	<a href="mailto:arlindo_silva@sutd.edu.sg">arlindo_silva@sutd.edu.sg</a>	<ul style="list-style-type: none"> <li>• Design methods and techniques</li> <li>• Product design and development</li> <li>• Design Science</li> </ul>
<b>Robert Edward SIMPSON</b> <a href="http://epd.sutd.edu.sg/faculty/robert-edward-simpson/">http://epd.sutd.edu.sg/faculty/robert-edward-simpson/</a> <a href="http://people.sutd.edu.sg/~robert_simpson">http://people.sutd.edu.sg/~robert_simpson</a>	<a href="mailto:robert_simpson@sutd.edu.sg">robert_simpson@sutd.edu.sg</a>	<ul style="list-style-type: none"> <li>• Chalcogenide Materials Design</li> <li>• Materials Design Methodologies</li> <li>• Crystal Nanostructure Design</li> <li>• Phase Change Memory</li> <li>• Photonics</li> <li>• Chalcogenides</li> </ul>
<b>SOH Gim Song</b> <a href="http://epd.sutd.edu.sg/faculty/soh-gim-song/">http://epd.sutd.edu.sg/faculty/soh-gim-song/</a> <a href="http://people.sutd.edu.sg/~sohgimsong">http://people.sutd.edu.sg/~sohgimsong</a>	<a href="mailto:sohgimsong@sutd.edu.sg">sohgimsong@sutd.edu.sg</a>	<ul style="list-style-type: none"> <li>• Articulated System and Mechanism Design</li> <li>• Analytical and Computational Kinematics</li> <li>• Robotics</li> <li>• Biomechanics</li> <li>• Personal Mobility Devices</li> </ul>
<b>Dawn TAN</b> <a href="http://epd.sutd.edu.sg/faculty/dawn-tan/">http://epd.sutd.edu.sg/faculty/dawn-tan/</a>	<a href="mailto:dawn_tan@sutd.edu.sg">dawn_tan@sutd.edu.sg</a>	<ul style="list-style-type: none"> <li>• Silicon Photonics</li> <li>• Nonlinear Optics</li> <li>• Nanophotonics</li> <li>• Optoelectronics</li> <li>• Biophotonics</li> </ul>
<b>TAN Mei Chee</b> <a href="http://epd.sutd.edu.sg/faculty/tan-mei-chee/">http://epd.sutd.edu.sg/faculty/tan-mei-chee/</a> <a href="http://people.sutd.edu.sg/~tanmeichee">http://people.sutd.edu.sg/~tanmeichee</a>	<a href="mailto:meichee.tan@sutd.edu.sg">meichee.tan@sutd.edu.sg</a>	<ul style="list-style-type: none"> <li>• Solution-based processing of nanomaterials</li> <li>• Multi-functional composite fabrication</li> <li>• Structure-property relationship of multi-scale composites</li> </ul>
<b>TAN U-Xuan</b> <a href="http://epd.sutd.edu.sg/faculty/tan-u-xuan/">http://epd.sutd.edu.sg/faculty/tan-u-xuan/</a>	<a href="mailto:uxuan_tan@sutd.edu.sg">uxuan_tan@sutd.edu.sg</a>	<ul style="list-style-type: none"> <li>• Medical &amp; Surgical Robotics</li> <li>• Rehabilitative Technology</li> <li>• Mechatronics</li> <li>• Micromanipulation</li> </ul>



Faculty / Supervisor	Email Contact	Research Interests (Potential PhD Project Title/Area)
<p><b>Pablo Valdivia y Alvarado</b>  <a href="http://epd.sutd.edu.sg/faculty/pablo-valdivia-y-alvarado/">http://epd.sutd.edu.sg/faculty/pablo-valdivia-y-alvarado/</a>  <a href="http://brd.sutd.edu.sg/">http://brd.sutd.edu.sg/</a></p>	<p><a href="mailto:pablov@sutd.edu.sg">pablov@sutd.edu.sg</a></p>	<ul style="list-style-type: none"> <li>• Bio-inspired design</li> <li>• Soft-under-actuated robots and sensors</li> <li>• Modeling unsteady locomotion in fluid environments</li> <li>• Environmental robotics</li> </ul>
<p><b>Erik WILHELM</b>  <a href="http://epd.sutd.edu.sg/faculty/erik-wilhelm/">http://epd.sutd.edu.sg/faculty/erik-wilhelm/</a>  <a href="http://people.sutd.edu.sg/~erikwilhelm">http://people.sutd.edu.sg/~erikwilhelm</a></p>	<p><a href="mailto:erikwilhelm@sutd.edu.sg">erikwilhelm@sutd.edu.sg</a></p>	<ul style="list-style-type: none"> <li>• Numerical optimisation</li> <li>• Modelling and simulation</li> <li>• Algorithm and system design</li> <li>• Decision analysis</li> </ul>
<p><b>Kristin L. WOOD</b>  <a href="http://epd.sutd.edu.sg/faculty/kristin-l-wood/">http://epd.sutd.edu.sg/faculty/kristin-l-wood/</a></p>	<p><a href="mailto:kristinwood@sutd.edu.sg">kristinwood@sutd.edu.sg</a></p>	<ul style="list-style-type: none"> <li>• Innovation methods</li> <li>• Design methods and techniques</li> <li>• Innovative technology and development</li> </ul>
<p><b>WU Ping</b>  <a href="http://epd.sutd.edu.sg/faculty/wu-ping/">http://epd.sutd.edu.sg/faculty/wu-ping/</a>  <a href="http://people.sutd.edu.sg/~wuping">http://people.sutd.edu.sg/~wuping</a></p>	<p><a href="mailto:wuping@sutd.edu.sg">wuping@sutd.edu.sg</a></p>	<ul style="list-style-type: none"> <li>• Chemical thermodynamics/kinetics</li> <li>• Computational quantum chemistry</li> <li>• Materials informatics</li> <li>• Green energy devices</li> <li>• Biomedical devices</li> <li>• Designer 2D-electronic structures</li> </ul>
<p><b>YANG Hui Ying</b>  <a href="http://epd.sutd.edu.sg/faculty/yang-hui-ying/">http://epd.sutd.edu.sg/faculty/yang-hui-ying/</a>  <a href="http://people.sutd.edu.sg/~yanghuiying">http://people.sutd.edu.sg/~yanghuiying</a></p>	<p><a href="mailto:yanghuiying@sutd.edu.sg">yanghuiying@sutd.edu.sg</a></p>	<ul style="list-style-type: none"> <li>• Low dimensional nanostructures - synthesis and applications</li> </ul>
<p><b>Joel YANG</b>  <a href="http://epd.sutd.edu.sg/faculty/joel-yang/">http://epd.sutd.edu.sg/faculty/joel-yang/</a></p>	<p><a href="mailto:joel_yang@sutd.edu.sg">joel_yang@sutd.edu.sg</a></p>	<ul style="list-style-type: none"> <li>• Nanoplasmonics, Plasmonic Color Printing</li> <li>• Nanofabrication at sub-10-nm dimensions: Electron Beam Lithography &amp; Directed Self Assembly of Nanoparticles</li> </ul>

Faculty / Supervisor	Email Contact	Research Interests (Potential PhD Project Title/Area)
<b>YE Ai</b> <a href="http://epd.sutd.edu.sg/faculty/ye-ai/">http://epd.sutd.edu.sg/faculty/ye-ai/</a>	<a href="mailto:ye_ai@sutd.edu.sg">ye_ai@sutd.edu.sg</a>	<ul style="list-style-type: none"> <li>• Micro/nanofluidics</li> <li>• BioMEMS</li> <li>• Biosensing</li> </ul>
<b>YEO Kiat Seng</b> <a href="http://epd.sutd.edu.sg/faculty/yeo-kiat-seng/">http://epd.sutd.edu.sg/faculty/yeo-kiat-seng/</a> <a href="http://people.sutd.edu.sg/~kiatseng_yeo/">http://people.sutd.edu.sg/~kiatseng_yeo/</a>	<a href="mailto:kiatseng_yeo@sutd.edu.sg">kiatseng_yeo@sutd.edu.sg</a>	<ul style="list-style-type: none"> <li>• Low-power IC Design</li> <li>• Internet of Things</li> <li>• Visible Light Communications</li> <li>• CMOS Technology</li> <li>• RF/mm-wave IC Design</li> </ul>
<b>YUEN Chau</b> <a href="http://epd.sutd.edu.sg/faculty/yuen-chau/">http://epd.sutd.edu.sg/faculty/yuen-chau/</a> <a href="http://people.sutd.edu.sg/~yuenchau">http://people.sutd.edu.sg/~yuenchau</a>	<a href="mailto:yuenchau@sutd.edu.sg">yuenchau@sutd.edu.sg</a>	<ul style="list-style-type: none"> <li>• Green Communications</li> <li>• Smart Grid</li> <li>• Cloud / Distributed Storage</li> <li>• Large-Scale MIMO</li> <li>• Energy Harvesting</li> <li>• Physical Layer Security</li> <li>• Network Coding</li> <li>• Cognitive Radio</li> <li>• Machine-to-Machine (M2M)</li> <li>• Cyber Physical Security</li> </ul>
<b>ZHAO Rong</b> <a href="http://epd.sutd.edu.sg/faculty/zhao-rong/">http://epd.sutd.edu.sg/faculty/zhao-rong/</a>	<a href="mailto:zhao_rong@sutd.edu.sg">zhao_rong@sutd.edu.sg</a>	<ul style="list-style-type: none"> <li>• The next generation NVM technologies and applications (PCM, RRAM, Memristor)</li> <li>• Bio-inspired artificial cognitive memory</li> <li>• Reconfigurable devices</li> <li>• Neuromorphic cognitive system</li> <li>• Memristor electronics.</li> <li>• MEMS</li> </ul>

\*You may wish to visit the Faculty/Supervisor's webpage for their latest research interests.

**ENGINEERING SYSTEMS AND DESIGN (ESD) PILLAR**

Faculty / Supervisor	Email Contact	Research Interests (Potential PhD Project Title/Area)
<p><b>Bikramjit DAS</b>  <a href="http://esd.sutd.edu.sg/faculty/bikramjit-das/">http://esd.sutd.edu.sg/faculty/bikramjit-das/</a>  <a href="http://people.sutd.edu.sg/~bikram">http://people.sutd.edu.sg/~bikram</a></p>	<p><a href="mailto:bikram@sutd.edu.sg">bikram@sutd.edu.sg</a></p>	<ul style="list-style-type: none"> <li>• Applied probability</li> <li>• Stochastic modelling</li> <li>• Statistical inference</li> <li>• Risk management</li> <li>• Social networks</li> </ul>
<p><b>Costas COURCOUBETIS</b>  <a href="http://esd.sutd.edu.sg/faculty/costas-courcoubetis/">http://esd.sutd.edu.sg/faculty/costas-courcoubetis/</a></p>	<p><a href="mailto:costas@sutd.edu.sg">costas@sutd.edu.sg</a></p>	<ul style="list-style-type: none"> <li>• Economics of networks and of internet technologies</li> <li>• Pricing, regulation policy in telecommunications</li> <li>• Game theory</li> <li>• Networking</li> </ul>
<p><b>Georgios PILIOURAS</b>  <a href="http://esd.sutd.edu.sg/faculty/georgios-piliouras/">http://esd.sutd.edu.sg/faculty/georgios-piliouras/</a>  <a href="http://people.sutd.edu.sg/~georgios/">http://people.sutd.edu.sg/~georgios/</a></p>	<p><a href="mailto:georgios@sutd.edu.sg">georgios@sutd.edu.sg</a></p>	<ul style="list-style-type: none"> <li>• Algorithmic game theory</li> <li>• Computational learning theory</li> <li>• Multi-agent learning</li> <li>• Dynamical systems</li> </ul>
<p><b>James WAN</b>  <a href="http://esd.sutd.edu.sg/faculty/james-wan/">http://esd.sutd.edu.sg/faculty/james-wan/</a>  <a href="http://people.sutd.edu.sg/~james_wan">http://people.sutd.edu.sg/~james_wan</a></p>	<p><a href="mailto:james_wan@sutd.edu.sg">james_wan@sutd.edu.sg</a></p>	<ul style="list-style-type: none"> <li>• Special functions</li> <li>• Experimental mathematics</li> <li>• Mathematical physics/chemistry</li> <li>• Lattice sums</li> <li>• Random walks</li> </ul>
<p><b>Karthik NATARAJAN</b>  <a href="http://esd.sutd.edu.sg/faculty/karthik-natarajan/">http://esd.sutd.edu.sg/faculty/karthik-natarajan/</a>  <a href="http://people.sutd.edu.sg/~natarajan_karthik">http://people.sutd.edu.sg/~natarajan_karthik</a></p>	<p><a href="mailto:natarajan_karthik@sutd.edu.sg">natarajan_karthik@sutd.edu.sg</a></p>	<ul style="list-style-type: none"> <li>• Operations research</li> <li>• Optimisation under uncertainty</li> </ul>
<p><b>Karthyek MURTHY</b>  <a href="http://esd.sutd.edu.sg/faculty/karthyek-murthy/">http://esd.sutd.edu.sg/faculty/karthyek-murthy/</a></p>	<p><a href="mailto:karthyek_murthy@sutd.edu.sg">karthyek_murthy@sutd.edu.sg</a></p>	<ul style="list-style-type: none"> <li>• Optimisation under uncertainty</li> <li>• Applied probability</li> <li>• Machine learning</li> </ul>

Faculty / Supervisor	Email Contact	Research Interests (Potential PhD Project Title/Area)
<p><b>Lingjie DUAN</b>  <a href="http://people.sutd.edu.sg/~lingjie_duan">http://people.sutd.edu.sg/~lingjie_duan</a>  <a href="http://esd.sutd.edu.sg/faculty/lingjie-duan/">http://esd.sutd.edu.sg/faculty/lingjie-duan/</a></p>	<p><a href="mailto:lingjie_duan@sutd.edu.sg">lingjie_duan@sutd.edu.sg</a></p>	<ul style="list-style-type: none"> <li>• Network economics</li> <li>• Game theory</li> <li>• Network optimisation</li> <li>• Mobile telecommunication systems</li> <li>• Energy harvesting</li> <li>• Smart grid</li> </ul>
<p><b>Lynette CHEAH</b>  <a href="http://esd.sutd.edu.sg/faculty/lynette-cheah">http://esd.sutd.edu.sg/faculty/lynette-cheah</a>  <a href="http://mobility.sutd.edu.sg">http://mobility.sutd.edu.sg</a></p>	<p><a href="mailto:lynette@sutd.edu.sg">lynette@sutd.edu.sg</a></p>	<ul style="list-style-type: none"> <li>• Life cycle assessment methods and applications</li> <li>• Material and energy flow analysis</li> <li>• Sustainable urban transportation</li> </ul>
<p><b>Nengli LIM</b>  <a href="http://esd.sutd.edu.sg/faculty/lim-nengli/">http://esd.sutd.edu.sg/faculty/lim-nengli/</a>  <a href="http://people.sutd.edu.sg/~nengli_lim/">http://people.sutd.edu.sg/~nengli_lim/</a></p>	<p><a href="mailto:nengli_lim@sutd.edu.sg">nengli_lim@sutd.edu.sg</a></p>	<ul style="list-style-type: none"> <li>• Stochastic analysis</li> <li>• Rough paths theory</li> <li>• Gaussian processes</li> <li>• Neural networks</li> <li>• Deep learning</li> </ul>
<p><b>Peter JACKSON</b>  <a href="http://esd.sutd.edu.sg/faculty/peter-jackson/">http://esd.sutd.edu.sg/faculty/peter-jackson/</a></p>	<p><a href="mailto:peter_jackson@sutd.edu.sg">peter_jackson@sutd.edu.sg</a></p>	<ul style="list-style-type: none"> <li>• Production planning and scheduling</li> <li>• Multi-echelon inventory management</li> <li>• Supply chain management</li> <li>• Integrated production and transportation planning</li> <li>• Geographical modelling systems</li> <li>• Robust inventory optimization</li> <li>• Methodologies for design and systems engineering</li> </ul>
<p><b>Selin Damla AHIPASAOGLU</b>  <a href="http://esd.sutd.edu.sg/faculty/selin-damla-ahipasaoglu/">http://esd.sutd.edu.sg/faculty/selin-damla-ahipasaoglu/</a>  <a href="http://people.sutd.edu.sg/~ahipasaoglu">http://people.sutd.edu.sg/~ahipasaoglu</a></p>	<p><a href="mailto:ahipasaoglu@sutd.edu.sg">ahipasaoglu@sutd.edu.sg</a></p>	<ul style="list-style-type: none"> <li>• Nonlinear optimisation</li> <li>• Sparse learning</li> <li>• Theoretical computer science</li> <li>• Algorithmic game theory</li> </ul>

Faculty / Supervisor	Email Contact	Research Interests (Potential PhD Project Title/Area)
<b>Shaowei LIN</b> <a href="http://esd.sutd.edu.sg/faculty/shaowei-lin/">http://esd.sutd.edu.sg/faculty/shaowei-lin/</a> <a href="http://people.sutd.edu.sg/~shaowei_lin/">http://people.sutd.edu.sg/~shaowei_lin/</a>	<a href="mailto:shaowei_lin@sutd.edu.sg">shaowei_lin@sutd.edu.sg</a>	<ul style="list-style-type: none"> <li>• Algebraic geometry</li> <li>• Statistical learning</li> <li>• Neural networks</li> <li>• Homotopy type theory</li> <li>• Internet of Things</li> </ul>
<b>Shrutivandana SHARMA</b> <a href="http://esd.sutd.edu.sg/faculty/shrutivandana-sharma/">http://esd.sutd.edu.sg/faculty/shrutivandana-sharma/</a>	<a href="mailto:shrutivandana@sutd.edu.sg">shrutivandana@sutd.edu.sg</a>	<ul style="list-style-type: none"> <li>• Optimisation</li> <li>• Decentralised decision making</li> <li>• Mechanism design</li> <li>• Game theory</li> <li>• Supply chain coordination and risk management</li> <li>• Inventory management</li> <li>• Online advertising</li> <li>• Social networks</li> </ul>
<b>Stefano GALELLI</b> <a href="http://esd.sutd.edu.sg/faculty/stefano-galelli/">http://esd.sutd.edu.sg/faculty/stefano-galelli/</a> <a href="http://people.sutd.edu.sg/~stefano_galelli">http://people.sutd.edu.sg/~stefano_galelli</a>	<a href="mailto:stefano_galelli@sutd.edu.sg">stefano_galelli@sutd.edu.sg</a>	<ul style="list-style-type: none"> <li>• Water resources management</li> <li>• Water systems analysis</li> <li>• Hydropower operations</li> <li>• Statistical learning</li> <li>• Optimisation and control</li> </ul>
<b>Ying XU</b> <a href="http://esd.sutd.edu.sg/faculty/ying-xu/">http://esd.sutd.edu.sg/faculty/ying-xu/</a>	<a href="mailto:xu_ying@sutd.edu.sg">xu_ying@sutd.edu.sg</a>	<ul style="list-style-type: none"> <li>• Stochastic modelling / queueing theory</li> <li>• Game theory / Incentive / contract design</li> <li>• Service operations management</li> <li>• Socially responsible supply chain management</li> <li>• Renewable energy demand-side management</li> </ul>

\*You may wish to visit the Faculty/Supervisor's page for their latest research interests

**INFORMATION SYSTEMS TECHNOLOGY AND DESIGN (ISTD) PILLAR**

Faculty / Supervisor	Email Contact	Research Interests (Potential PhD Project Title/Area)
<p><b>Alexander BINDER</b>  <a href="https://istd.sutd.edu.sg/faculty/alexander-binder/">https://istd.sutd.edu.sg/faculty/alexander-binder/</a></p>	<p><a href="mailto:alexander_binder@sutd.edu.sg">alexander_binder@sutd.edu.sg</a></p>	<ul style="list-style-type: none"> <li>• Explainable deep learning</li> <li>• Machine learning</li> <li>• Computer vision</li> <li>• Medical imaging</li> </ul>
<p><b>David YAU</b>  <a href="http://istd.sutd.edu.sg/faculty/david-yau/">http://istd.sutd.edu.sg/faculty/david-yau/</a></p>	<p><a href="mailto:david_yau@sutd.edu.sg">david_yau@sutd.edu.sg</a></p>	<ul style="list-style-type: none"> <li>• Network security and privacy</li> <li>• Cyber physical system security and privacy</li> <li>• Networking and wireless sensor networks</li> <li>• Smart grid and demand response</li> </ul>
<p><b>Dorien HERREMANS</b>  <a href="http://dorienherremans.com">http://dorienherremans.com</a></p>	<p><a href="mailto:dorien_herremans@sutd.edu.sg">dorien_herremans@sutd.edu.sg</a></p>	<ul style="list-style-type: none"> <li>• Digital music</li> <li>• Audio</li> <li>• Machine learning</li> <li>• Artificial intelligence</li> </ul>
<p><b>Ernest CHONG</b>  <a href="https://istd.sutd.edu.sg/people/faculty/ernest-chong">https://istd.sutd.edu.sg/people/faculty/ernest-chong</a></p>	<p><a href="mailto:ernest_chong@sutd.edu.sg">ernest_chong@sutd.edu.sg</a></p>	<ul style="list-style-type: none"> <li>• Machine learning</li> <li>• Deep learning</li> <li>• Semi-supervised and unsupervised learning</li> <li>• Hyperparameter optimization</li> <li>• Artificial intelligence</li> </ul>
<p><b>Hyowon LEE</b>  <a href="http://istd.sutd.edu.sg/faculty/hyowon-lee/">http://istd.sutd.edu.sg/faculty/hyowon-lee/</a>  <a href="http://people.sutd.edu.sg/~hlee">http://people.sutd.edu.sg/~hlee</a></p>	<p><a href="mailto:hlee@sutd.edu.sg">hlee@sutd.edu.sg</a></p>	<ul style="list-style-type: none"> <li>• Human-computer interaction</li> <li>• Interaction design</li> <li>• Emerging interactivity</li> <li>• Usability engineering</li> <li>• Lifelogging</li> </ul>

Faculty / Supervisor	Email Contact	Research Interests (Potential PhD Project Title/Area)
<p><b>Ioannis PANAGEAS</b>  <a href="http://sites.google.com/site/panageasj/">http://sites.google.com/site/panageasj/</a></p>	<p><a href="mailto:ioannis@sutd.edu.sg">ioannis@sutd.edu.sg</a></p>	<ul style="list-style-type: none"> <li>• Theoretical machine learning</li> <li>• Graphical models and MCMC methods</li> <li>• Non-convex optimization</li> <li>• Game theory</li> <li>• Dynamical systems</li> </ul>
<p><b>Jianying ZHOU</b>  <a href="https://istd.sutd.edu.sg/people/faculty/jianying-zhou">https://istd.sutd.edu.sg/people/faculty/jianying-zhou</a>  <a href="http://jianying.space/">http://jianying.space/</a></p>	<p><a href="mailto:jianying_zhou@sutd.edu.sg">jianying_zhou@sutd.edu.sg</a></p>	<ul style="list-style-type: none"> <li>• Applied cryptography and network security</li> <li>• Cyber-physical system security</li> <li>• Mobile and wireless security</li> </ul>
<p><b>Kwan Hui LIM</b>  <a href="https://istd.sutd.edu.sg/people/faculty/kwan-hui-lim">https://istd.sutd.edu.sg/people/faculty/kwan-hui-lim</a>  <a href="https://sites.google.com/site/limkwanhui/">https://sites.google.com/site/limkwanhui/</a></p>	<p><a href="mailto:kwanhui_lim@sutd.edu.sg">kwanhui_lim@sutd.edu.sg</a></p>	<ul style="list-style-type: none"> <li>• Data mining</li> <li>• Machine learning</li> <li>• Artificial intelligence</li> <li>• Social network analysis</li> <li>• Social computing</li> </ul>
<p><b>Ngai-Man CHEUNG</b>  <a href="http://istd.sutd.edu.sg/faculty/ngai-man-man-cheung/">http://istd.sutd.edu.sg/faculty/ngai-man-man-cheung/</a>  <a href="https://sites.google.com/site/mancheung0407/">https://sites.google.com/site/mancheung0407/</a></p>	<p><a href="mailto:ngaiman_cheung@sutd.edu.sg">ngaiman_cheung@sutd.edu.sg</a></p>	<ul style="list-style-type: none"> <li>• Image/Video/Signal processing and analysis</li> <li>• Computer vision</li> <li>• Artificial intelligence</li> <li>• AI for healthcare, cyber security</li> </ul>
<p><b>Oliver WEEGER</b>  <a href="https://istd.sutd.edu.sg/faculty/oliver-weeger/">https://istd.sutd.edu.sg/faculty/oliver-weeger/</a>  <a href="http://people.sutd.edu.sg/~oliver_weeger/">http://people.sutd.edu.sg/~oliver_weeger/</a></p>	<p><a href="mailto:oliver_weeger@sutd.edu.sg">oliver_weeger@sutd.edu.sg</a></p>	<ul style="list-style-type: none"> <li>• Computational engineering</li> <li>• Computational mechanics of solids &amp; structures</li> <li>• Digital design and design optimization</li> <li>• Advanced and additive manufacturing</li> </ul>

Faculty / Supervisor	Email Contact	Research Interests (Potential PhD Project Title/Area)
<p><b>Paweł SZALACHOWSKI</b>  <a href="https://istd.sutd.edu.sg/people/faculty/pawel-szalachowski">https://istd.sutd.edu.sg/people/faculty/pawel-szalachowski</a>  <a href="https://pszal.github.io/">https://pszal.github.io/</a></p>	<p><a href="mailto:pawel@sutd.edu.sg">pawel@sutd.edu.sg</a></p>	<ul style="list-style-type: none"> <li>• Blockchain</li> <li>• Network security</li> <li>• Systems security</li> <li>• Applied cryptography</li> </ul>
<p><b>Sudipta CHATTOPADHYAY</b>  <a href="https://istd.sutd.edu.sg/people/faculty/sudipta-chattopadhyay">https://istd.sutd.edu.sg/people/faculty/sudipta-chattopadhyay</a></p>	<p><a href="mailto:sudipta_chattopadhyay@sutd.edu.sg">sudipta_chattopadhyay@sutd.edu.sg</a></p>	<ul style="list-style-type: none"> <li>• System security</li> <li>• Embedded and cyber-physical systems</li> <li>• Formal methods and verification</li> <li>• Software engineering</li> </ul>
<p><b>SUN Jun</b>  <a href="http://istd.sutd.edu.sg/faculty/sun-jun/">http://istd.sutd.edu.sg/faculty/sun-jun/</a>  <a href="http://people.sutd.edu.sg/~sunjun">http://people.sutd.edu.sg/~sunjun</a></p>	<p><a href="mailto:sunjun@sutd.edu.sg">sunjun@sutd.edu.sg</a></p>	<ul style="list-style-type: none"> <li>• Formal methods</li> <li>• Software engineering</li> <li>• Program analysis</li> <li>• System verification</li> <li>• System security</li> </ul>
<p><b>Tony QUEK</b>  <a href="https://istd.sutd.edu.sg/people/faculty/tony-quek">https://istd.sutd.edu.sg/people/faculty/tony-quek</a>  <a href="http://people.sutd.edu.sg/~tonyquek/">http://people.sutd.edu.sg/~tonyquek/</a></p>	<p><a href="mailto:tonyquek@sutd.edu.sg">tonyquek@sutd.edu.sg</a></p>	<ul style="list-style-type: none"> <li>• Big data processing</li> <li>• Network intelligence</li> <li>• IoT</li> <li>• Wireless communications and networking</li> <li>• Security</li> </ul>
<p><b>Wei LU</b>  <a href="http://istd.sutd.edu.sg/faculty/lu-wei/">http://istd.sutd.edu.sg/faculty/lu-wei/</a></p>	<p><a href="mailto:wei_lu@sutd.edu.sg">wei_lu@sutd.edu.sg</a></p>	<ul style="list-style-type: none"> <li>• Machine learning</li> <li>• Deep learning</li> <li>• Natural language processing</li> <li>• Big data analytics</li> <li>• Data mining</li> <li>• Artificial intelligence</li> </ul>

\*You may wish to visit the Faculty/Supervisor's page for their latest research interests



**SINGAPORE UNIVERSITY OF TECHNOLOGY AND DESIGN - List of Supervisors as at 5 Oct 2018**

**SCIENCE AND MATH**

Faculty / Supervisor	Email Contact	Research Interests (Potential PhD Project Title/Area)
<p><b>Ricky ANG</b>  <a href="http://epd.sutd.edu.sg/faculty/ang-lay-kee-ricky/">http://epd.sutd.edu.sg/faculty/ang-lay-kee-ricky/</a></p>	<p><a href="mailto:ricky_ang@sutd.edu.sg">ricky_ang@sutd.edu.sg</a></p>	<ul style="list-style-type: none"> <li>• Plasma</li> <li>• Electron beam</li> <li>• Quantum diode</li> <li>• Quantum plasmonic</li> <li>• Novel material-based devices</li> </ul>
<p><b>Cai KUI</b>  <a href="https://academics.sutd.edu.sg/faculty/cai-kui/">https://academics.sutd.edu.sg/faculty/cai-kui/</a></p>	<p><a href="mailto:cai_kui@sutd.edu.sg">cai_kui@sutd.edu.sg</a></p>	<ul style="list-style-type: none"> <li>• Coding Theory</li> <li>• Digital Communications</li> </ul>
<p><b>Dario POLETTI</b>  <a href="http://epd.sutd.edu.sg/faculty/dario-poletti/">http://epd.sutd.edu.sg/faculty/dario-poletti/</a>  <a href="http://people.sutd.edu.sg/~dario_poletti">http://people.sutd.edu.sg/~dario_poletti</a></p>	<p><a href="mailto:dario_poletti@sutd.edu.sg">dario_poletti@sutd.edu.sg</a></p>	<ul style="list-style-type: none"> <li>• Many-body quantum dynamics</li> <li>• Ultracold atoms physics</li> <li>• Classical and quantum thermodynamics at the nano-scale</li> <li>• Computational quantum physics</li> </ul>
<p><b>YANG Shengyuan</b>  <a href="http://epd.sutd.edu.sg/faculty/yangshengyuan/">http://epd.sutd.edu.sg/faculty/yangshengyuan/</a></p>	<p><a href="mailto:shengyuan_yang@sutd.edu.sg">shengyuan_yang@sutd.edu.sg</a></p>	<ul style="list-style-type: none"> <li>• Condensed Matter Physics</li> <li>• Topology in Solid State Physics</li> <li>• Material Physics</li> <li>• Transport Modeling and Theory</li> <li>• Spintronics, Magnetic Devices</li> </ul>
<p><b>CHEN Jer-Ming</b>  <a href="https://academics.sutd.edu.sg/faculty/chen-jer-ming/">https://academics.sutd.edu.sg/faculty/chen-jer-ming/</a></p>	<p><a href="mailto:jerming_chen@sutd.edu.sg">jerming_chen@sutd.edu.sg</a></p>	<ul style="list-style-type: none"> <li>• Voice</li> <li>• Music</li> <li>• Audio AI</li> <li>• Accoustics</li> </ul>

Faculty / Supervisor	Email Contact	Research Interests (Potential PhD Project Title/Area)
<b>Desmond LOKE</b> <a href="https://academics.sutd.edu.sg/faculty/desmond-loke/">https://academics.sutd.edu.sg/faculty/desmond-loke/</a>	<a href="mailto:desmond_loke@sutd.edu.sg">desmond_loke@sutd.edu.sg</a>	<ul style="list-style-type: none"> <li>• Nanotechnology</li> <li>• Electrical Engineering</li> <li>• Material Science</li> <li>• Bio-Medical Engineering</li> <li>• Chemical Physics</li> </ul>
<b>LIU Xiaogang</b> <a href="https://academics.sutd.edu.sg/faculty/liu-xiaogang/">https://academics.sutd.edu.sg/faculty/liu-xiaogang/</a>	<a href="mailto:xiaogang_liu@sutd.edu.sg">xiaogang_liu@sutd.edu.sg</a>	<ul style="list-style-type: none"> <li>• Fluorescence</li> <li>• Photochemistry</li> </ul>
<b>Qi GE</b> <a href="https://academics.sutd.edu.sg/faculty/ge-qi-kevin/">https://academics.sutd.edu.sg/faculty/ge-qi-kevin/</a>	<a href="mailto:ge_qi@sutd.edu.sg">ge_qi@sutd.edu.sg</a>	<ul style="list-style-type: none"> <li>• Mechanical Engineering</li> <li>• Material Science</li> </ul>