

Service Statement – Kwan Hui LIM

Throughout my time at the Singapore University of Technology and Design (SUTD), I have demonstrated a sustained and expanding commitment to service at the pillar, university, and broader academic and professional communities. My service philosophy aligns deeply with my educational leadership approach: to build structures, curricula, and governance processes that advance student learning, strengthen academic programs, and support institutional and disciplinary excellence. Beyond my major leadership roles, committee service, program governance, mentoring, accreditation work, curriculum development, and community engagement within SUTD, I also contribute extensively to the global research and professional community. In particular, I serve as Associate Editor for Social Network Analysis and Mining and Guest Editor for the Journal of Mechanical Design; as Industry Track Chair for ASONAM 2025 and Research Track Chair for ASONAM 2026; and as Area Chair / Senior Programme Committee member for major conferences including TheWebConf, IJCAI, and AAAI. I further serve as a Programme Committee member for over 50 conferences and reviewer for over 30 journals, alongside advisory work for industry and government agencies such as Smoove Xperience, IMDA's Artificial Intelligence Technical Committee, and the MOE Syllabus Review Committee for H2 Computing. Collectively, these efforts reflect a holistic commitment to shaping institutional growth, strengthening academic quality, and advancing the research and education communities in AI, data science, and computational social systems.

1. University Leadership in Academic Programs, Curriculum Development and Accreditation

A major component of my service has been leading transformative initiatives across undergraduate and postgraduate education at SUTD. As **Chair of the ISTD Undergraduate Committee (2020–Present)**, I oversee a team of faculty and administrative staff responsible for all undergraduate curriculum matters, including curriculum development, management of CSD tracks and minors, course scheduling, global exchange course mapping, Capstone coordination, and custom track approvals. In this role, I also spearheaded significant strategic initiatives such as the successful renaming of the B.Eng (Information Systems Technology and Design) to **B.Eng (Computer Science and Design)** and led multiple outreach engagements with prospective students. Moreover, I guided the design and implementation of new curricula aligned with SUTD's institutional pivot toward becoming a “**Design AI University.**” In particular, I led the development of the first **Design AI Minor** and the inaugural **Design AI Second Major**, expanding opportunities for students to gain expertise at the intersection of design, artificial intelligence, and systems thinking.

Complementing this, my work as **Lead of the AI Curriculum Review Taskforce (2019–Present)** involves regular and rigorous reviews of the AI track, AI minor, and key AI-related courses, including Artificial Intelligence, Machine Learning, Deep Learning, Computer Vision, and Natural Language Processing, to ensure their currency, coherence, and industry relevance. Under my leadership, the AI Minor underwent major revisions in **2020 and 2024**,

AI competencies were mapped across the broader CSD curriculum, and AI content was harmonized and integrated into other SUTD programmes.

As **Academic Programme Director for the Master of Science in Technology and Design (Artificial Intelligence) (MTD(AI)) (2025–Present)**, I led the conception, proposal, and development of this interdisciplinary postgraduate degree integrating artificial intelligence with design innovation. As the inaugural Programme Director, I oversaw curriculum design, inter-pillar coordination, and alignment with institutional and national priorities for AI education. This role has allowed me to translate my teaching philosophy into programme-level practice, preparing a new generation of technologically grounded and design-oriented AI professionals.

These contributions directly support SUTD’s institutional vision of becoming a “Design AI University” and reflect the educational leadership themes articulated in my teaching statement, namely, designing future-ready curricula, ensuring coherent knowledge progression, and expanding students’ access to meaningful AI education.

In addition, as the **ISTD Lead for the Engineering Accreditation Taskforce (2021–Present)**, I led pillar-wide efforts that secured successful accreditation of the B.Eng (CSD) programme in 2021 and continue to guide preparations for the 2026 review. This work involves major audits of curriculum, governance structures, course materials, and delivery, as well as leading benchmarking exercises with peer Computer Engineering and Computer Science programmes and supporting renaming efforts tied to accreditation requirements. This role underscores my commitment to upholding high academic standards, ensuring programme competitiveness, and aligning educational outcomes with evolving professional and industry expectations.

2. Contributions to University Governance and Policy

Beyond my major leadership roles, I have contributed extensively to university-level governance through sustained involvement in committees, policy development, and institution-wide initiatives. As **Co-lead of the SUTD Research Data Management Policy (2020–2022)**, I helped develop institutional frameworks to guide the responsible collection, storage, usage, and safeguarding of research data, an essential component of SUTD’s evolving research infrastructure. In my ongoing role as a **member of the SUTD Institutional Review Board (2019–Present)**, I contribute to the ethical oversight of research involving human participants, ensuring that projects meet the highest standards of integrity and compliance.

In addition to these roles, I have served on several key university committees, including the **University Curriculum Committee, Pedagogy Leadership Committee, Design Accreditation Taskforce, ESD Analytics Track Taskforce, STS Degree Sub-Committee, New Degree Committee**, and, prior to chairing it, as a **member of the ISTD Undergraduate Committee**. Through these appointments, I have contributed to academic policy formulation,

curriculum innovation, pedagogical strategy, accreditation preparation, and interdisciplinary programme development.

Alongside formal committee service, I also contribute to university outreach and student development efforts, including interviewing prospective SUTD candidates, supporting global exchange interviews, participating in open house and recruitment events, and mentoring students across various institutional programmes. These activities reflect my commitment to strengthening SUTD's academic community and supporting students at multiple stages of their educational journey.

3. Service to the Research and Professional Community

My service extends significantly to the broader scientific and professional communities, where I contribute to shaping research directions, strengthening peer-review processes, and supporting the responsible advancement of AI and data science. I serve as an **Associate Editor** for *Social Network Analysis and Mining* (Scopus Q1) and as a **Guest Editor** for a special issue of the *Journal of Mechanical Design* focused on emerging issues in AI for engineering design. I also serve as **Industry Track Chair for ASONAM 2025** and **Research Track Chair for ASONAM 2026**, roles in which I oversee track design, reviewer recruitment, and the curation of high-quality scholarly contributions. In addition, I serve as **Area Chair / Senior Programme Committee member** for major international conferences, including **TheWebConf (2026)**, **IJCAI (2023–2025)**, and **AAAI (2022, 2026)**, alongside an extensive record of serving as **Programme Committee member for over 50 conferences** and **reviewer for over 30 journals**.

Beyond academic reviewing and editorial responsibilities, I also contribute AI-related expertise to industry and government agencies. I serve as an **Advisory Member for Smoove Xperience**, providing technical guidance on AI for travel and experience design, as well as an **Advisory Member for the IMDA Artificial Intelligence Technical Committee** and the **MOE Syllabus Review Committee for H2 Computing**, where I support national-level conversations on computing education and responsible AI development.

Collectively, these contributions reflect my commitment to advancing the global research community, strengthening AI and data science ecosystems, and ensuring that academic insights inform industry innovation and public-sector decision-making.

4. Mentorship and Educational Leadership

As highlighted in my teaching statement, mentorship is a central pillar of my educational philosophy, and this commitment is reflected strongly in my service contributions. I have chaired **eight PhD Examination Committees** and served as a **member on more than fifty PhD examination committees**, supporting rigorous academic standards, fair evaluation, and the scholarly development of graduate students across SUTD and partner institutions. In

addition, I serve as a mentor in the **SUTD–Polytechnic Special Arrangement (SPSA) Programme (2020–Present)**, providing guidance to students transitioning from polytechnic pathways into university-level study.

These activities exemplify my dedication to fostering the next generation of researchers and practitioners. By supporting students at critical stages of their academic progression, I contribute not only to their individual success but also to the broader research culture and educational mission of the university.

5. Conclusion

Across my roles in curriculum leadership, accreditation, university governance, professional service, and student mentorship, I have sought to contribute meaningfully to the academic and institutional communities I serve. My work reflects a commitment to building robust educational structures, supporting faculty and student success, and advancing my research fields through active engagement with international scholarly and professional networks. I view service as a vital dimension of academic citizenship, one that requires strategic vision, collaboration, and a long-term dedication to strengthening programmes, institutions, and disciplines. I look forward to continuing these contributions and to further supporting the growth of impactful, future-ready education and research in the years ahead.