Emerging Technology Architect
Singapore Institute of Technology

Job Title	Emerging Technology Architect
Department	Professional Officers
Institution	Singapore Institute of Technology
	Singapore, , Singapore
Date Posted	May 20, 2025
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Professional Staff
Academic Field(s)	Computer/Information Sciences
Job Website	https://careers.singaporetech.edu.sg/cw/en/job/498935/emerging-technology-architect
Apply By Email	
Job Description	

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Job no: 498935
Department: Professional Officers
Contract type: Contract, Permanent
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As part of SIT's bold journey to position the university in more systematic and structured future-ready applied learning and research, we are setting up a new **Emerging Technology Unit**to shape strategic

directions in high-impact technology domains.

We are seeking passionate and future-forward professionals to join this pioneering team. You will play a critical role in **masterplanning emerging technologies**, developing **actionable roadmaps**, and driving initiatives and programmes that shape SIT's future-ready education, applied research, and workforce skills development efforts.

If you have the vision, depth, and agility to bridge science, strategy, and society—this is your opportunity to influence national capability development and be part of SIT's transformation.

Key Responsibilities

- Drive strategic foresight and long-term planning in emerging technologies with a time horizon of 10 years (e.g. AI, Quantum Technology, Artificial General Intelligence, Sustainable Energy, Autonomous Systems and Robotics, Future Mobility, Future Electronics, etc).
- Develop applied technology **roadmaps** that align SIT's education and research with Singapore's future economic, technological, and societal needs.
- Shape and coordinate **interdisciplinary initiatives** that link academic clusters, applied research programs, and future-ready education.
- Engage and collaborate with government agencies, research institutions, industry players and startups, to identify, validate and possibly co-create emerging technology visions and partnership opportunities.
- Contribute thought leadership, insight reports, and internal strategy documents that inform policy, funding, and strategic direction.
- Establish the operating frameworks, structures, performance metrics and execution of the new **Emerging Technology Unit**.
- Participate in relevant global tech think-tanks, conferences, and advisory platforms to represent SIT and draw global insights into local contexts.

Job Requirements

1. **PhD** in a relevant science or engineering field, with **strong technical expertise** in at least one emerging tech domain (e.g. AI, Quantum, Sustainable Energy, Future Mobility, Robotics, etc).
2. **Experience or exposure** to industry R&D, tech ventures/startups, or public sector tech master-planning are highly valued.
3. Proven **systems and critical thinking skills** with strong analytical and strategic planning

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capabilities.

4. Deep **passion for emerging technologies** and a strong desire to contribute to societal and economic transformation through applied research and education.
5. **Excellent writing** and communication skills; able to synthesize complex ideas and engage diverse stakeholders.
6. Strong interpersonal and **stakeholder engagement** skills across academia, industry, and government—locally and internationally.
7. Highly motivated team player who is excited to shape SIT's tech-driven future and support institutional transformation.

Apply now
Advertised: 19 May 2025 Singapore Standard Time
Applications close: 18 Nov 2025 Singapore Standard Time

Contact Information

Contact

Singapore