

**Project Engineer (Additive Manufacturing) - NAMIC
hub@SIT 2 (Research Engineer)
Singapore Institute of Technology**

Direct Link: <https://www.AcademicKeys.com/r?job=236812>

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Posted May 30, 2024, set to expire Sep. 29, 2024

Job Title Project Engineer (Additive Manufacturing) - NAMIC
hub@SIT 2 (Research Engineer)

Department Engineering

Institution Singapore Institute of Technology
Singapore, , Singapore

Date Posted May 30, 2024

Application Deadline Open until filled

Position Start Date Available immediately

Job Categories Professional Staff

Academic Field(s) Mechanical Engineering
Material/Metallurgy

Job Website <https://careers.singaporetech.edu.sg/cw/en/job/498691/project-engineer-additive-manufacturing-namic-hubsit-2-research-engineer>

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Job Description

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Job no: 498691

Department: Engineering

Contract type: Contract

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We have an opening for a highly motivated engineer to support Additive Manufacturing capability development in SIT. This position will be posted to the NAMIC hub@SIT (one of the innovation centres under the SIT Innohub). He/she reports to the Hub Manager to support various AM activities. This position provides skills in industrial design, fabrication and prototyping, and to support for research and industry projects. The engineer is to demonstrate responsibility and taking up ownership for studying and identifying industry's AM needs as well as opportunities and mapping them to existing hub's programs or initiate new programs to address gaps.

Responsibilities

The responsibilities include but not limited to:

1. Provides industrial / mechanical design expertise; works closely with computational research designers and manufacturing engineers.
2. Carries out engineering analysis and design for manufacturability and engineering performance, particularly using additive manufacturing.
3. Provides expertise for fabrication and prototyping using commercial and in-house developed fabrication equipment.
4. Assists in the development of proposals for collaborative projects with industry and academic partners that are additive manufacturing related.
5. Support the development and execution of different Additive Manufacturing program offerings.
6. Prepare communication contents for presentation.
7. Support the development of proficiency testing programs to help organizations satisfy accreditation requirements using established and published international standards.
8. Support conducting landscape analysis of specific topics and identify gaps and needs.

Required/Desired Skills:

1. Expertise with CAD software (e.g. Solidworks, CREO, Autocad, or open-source ones), and design for additive manufacturing.
2. Experience with relevant hardware and software for computer-controlled fabrication (e.g., 3D printers, and laser scanners), materials and component characterization is required.
3. Experience with product prototyping and development.

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4. An interest in, and relevant competencies in any or more of the following: finite element analysis, mechanical design and fabrication, mechanical testing, characterisation of mechanical behaviour of materials.
5. Strong analytical skills combined with a hands-on approach.
6. Comfortable with both simulation and experimental techniques.
7. A high degree of initiative and able to work independently but closely with other members of a multi-disciplinary team which includes the industry and government agencies

This position must be resourceful, proactive and results-oriented. The position has to take initiative to productively engage across many research projects and add value. A positive attitude, and the ability to present and communicate well with all types of stakeholders will be essential.

Requirements

- A good degree in the area of Mechanical Engineering/Materials Science Engineering from a recognised University. Possessing a Master's degree will be advantageous.
- Demonstrated experience (3-5 years preferred) in engineering design and fabrication. Possessing practical experience in additive manufacturing projects will be advantageous.

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Advertised: 30 May 2024 Singapore Standard Time

Applications close: 31 Dec 2024 Singapore Standard Time

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact

Singapore