

Postdoctoral Researcher in Photonics/Optics
Singapore University of Technology and Design

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Posted Sep. 30, 2024, set to expire Jan. 29, 2025

Job Title	Postdoctoral Researcher in Photonics/Optics
Department	Photonics Devices and Systems Group
Institution	Singapore University of Technology and Design SINGAPORE, , Singapore
Date Posted	Sep. 30, 2024
Application Deadline	Open until filled
Position Start Date	Open until filled
Job Categories	Post-Doc Research Scientist/Associate
Academic Field(s)	Physics - Condensed Matter/Low Temperature Physics - Atomic/Molecular/Optical/Plasma Physics - General Nanotechnology Natural Sciences
Job Website	https://photonics.sutd.edu.sg
Apply By Email	dawn_tan@sutd.edu.sg

Job Description

The Postdoctoral Scholar/Research Fellow will be responsible for designing, fabricating and characterizing nanophotonic circuits and devices for use in applications such as photonic integrated circuits, nonlinear optics, optical communications and topological photonics.

Qualified candidates should have experience in some or all of the following:

Clean room fabrication and metrology (Ebeam lithography, thin film deposition, etching, SEM, AFM, etc.);

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Characterization of photonic structures;
Semiconductor materials and optical physics;
Finite differences and finite element modeling;
Strong programming skills (Matlab, etc.); and,
Good interpersonal skills.

The selected candidate must be a self-starter, who is able to work independently and in a team environment.

A Bachelor's/Master's/Ph.D. in Electrical Engineering, Optics or a related field is required.

If interested, please send an updated CV and the names of at least two references to Prof. Tan.

Contact Information

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

Please see the job description for contact details pertaining to this university job announcement.