Postdoctoral Researchers and PhD Students
Purdue University

Job Title	Postdoctoral Researchers and PhD Students
Department	School of Engineering Technology
Institution	Purdue University West Lafayette, Indiana
Date Posted	Oct. 7, 2025
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Graduate Student Post-Doc
Academic Field(s)	Polymer Science Mechanical Engineering Material/Metallurgy Energy Technology Electrical and/or Electronics Chemical/Petroleum
Job Website	https://baylorme.wixsite.com/leethinfilm
Apply By Email	sunghlee@purdue.edu

Job Description

About the Laboratory and Research Focus

Process Technology & Advanced Materials Laboratory (Prof. Sunghwan Lee)

School of Engineering Technology

Postdoctoral Researchers and PhD Students
Purdue University

Purdue University in West Lafayette, Indiana, USA.

Our lab focuses on developing multifunctional thin-film processes and interface engineering strategies for next-generation electronic devices, energy storage systems, and flexible sensors.

Current research topics include:

- CVD Polymer (oCVD/iCVD)-based surface and interface control
- Advanced electronic devices: TFTs, sensors, memristors, and other synaptic devices
- Electrochemical systems: next-generation batteries and interface stabilization
- Mold-free fabrication of flexible pressure sensors
- Collaborative research projects with U.S. funding agencies (e.g., NSF) and industry partners

For more information, please visit our lab website:
https://baylorme.wixsite.com/leethinfilm

Available Positions

Postdoctoral Researchers (2–3 openings)

- **Start date:** Late 2025 – Early 2026 (flexible)

PhD Students (2–3 openings)

- **Preferred applicants:** M.S. degree holders (or expected to graduate soon)
- **Start date:** January 2026 or August 2026 semester

Preferred Backgrounds:

Electrochemistry and batteries, computational modeling, flexible sensors, and semiconductor devices, with relevant degrees in Materials Science and Engineering, Chemical Engineering, Electrical Engineering, or closely related disciplines

Application Procedure

Postdoctoral Researchers and PhD Students
Purdue University

Please send application materials via email to:
Prof. Sunghwan Lee (Email: sunghlee@purdue.edu)

Required documents:

- **CV/Resume** (including full list of research outputs)
- **Cover Letter** (describing research interests and motivation for applying)
- **Contact information for at least two references** (name, position, affiliation, and email/phone number)

English Proficiency Requirements (for PhD Applicants Only)

PhD applicants must meet **Purdue University's graduate admission requirements**:

TOEFL iBT

- Total score ? 80
- Minimum section scores: Reading 19, Listening 14, Speaking 18, Writing 18

TOEFL Paper-delivered

- No total score requirement
- Minimum section scores: Reading 19, Listening 14, Writing 18

IELTS (Academic Module)

- Overall score ? 6.5
- Minimum section scores: Reading 6.5, Listening 6.0, Speaking 6.0, Writing 5.5

Application deadline:

- **Until positions are filled (rolling basis).**
- Applications received by **the end of October** will be given **priority consideration**.

Postdoctoral Researchers and PhD Students
Purdue University

Contact Information

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

Contact Sunghwan Lee
School of Engineering Technology
Purdue University
West Lafayette, IN 47907

Contact E-mail sunghlee@purdue.edu