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APPLY TO

# First-Time Researcher FELLOWSHIP

Application deadline extended: **October 24, 2022**  
More info at [Engineering Smplicity portal](#)

## ELIGIBILITY:

Purdue engineering undergraduate students with no prior college-level research experience

Project Title	Job Tag - ID
Fast heat treatment on multi-layer materials	FTR-1 - 3749
Modeling Random Magnets for Probabilistic Computing	FTR-2-3750
Modeling High Efficiency Thermovoltaic Systems	FTR-3-3751
Deep Learning Analysis of Cardiac Imaging in Pediatric Heart Disease	FTR-4-3752
Normal Influence Diagram Algorithm Implementation	FTR-5-3753
Human Factors Engineering: Enhancing Performance of Nurses and Surgeons	FTR-6-3754
SoCET: System on Chip design, verification, software development, test	FTR-7-3755
Increasing Fairness in Engineering Exams: Who's real-world experience is represented?	FTR-8-3756

Drug delivery device characterization	FTR-9-3757
Heterogeneous Integrations / Advanced Packaging	FTR-11-3759
High-throughput neural interface technology	FTR-12-3760
Esophageal Stent	FTR-13-3761
Postural and Cognitive Effects of Wearing an Exoskeleton on Bricklayers	FTR-14-3762
An automated worker-in-the-loop in the construction industry	FTR-15-3763
Olefin Oligomerization Using Single Site Lewis Acid Catalysts	FTR-16-3764
Machine Learning for Nanophotonics and Quantum Computing	FTR-17-3765
Comparing Irradiation Performance of Advanced Manufactured to Conventionally Manufactured Alloys	FTR-18-3766

Applications of Artificial Intelligence in Continuous Pharmaceutical Manufacturing	FTR-19-3767
Smart manufacturing of pharmaceutical tablets in a continuous dry granulation line	FTR-20-3768
Material, interface, and device modeling	FTR-21-3769
X-ray Microscopy of the Evolution of Coffee Beans	FTR-22-3770
Feedback Effects and the Inflation Reduction Act	FTR-23-3771
Polymer Surface Topography Control with Sound	FTR-24-3772
Transformable Robots for Planetary Exploration Missions	FTR-25-3773
Hydropower Collegiate Competition	FTR-26-3774
Algorithms and Systems for 360 degree video streaming over the Internet	FTR-27-3775

**\$1000 Stipend**

Submit your resume and cover letter via [Engineering Smplicity portal](#) by October 14<sup>th</sup>, 2022!

<https://tinyurl.com/FTR23Application> | Contact EURO: [eur@purdue.edu](mailto:eur@purdue.edu)