













## College of Engineering at UH Mānoa 2024-2025 Student Organizations

Organization	Website	Primary Contact	Description
 <p>Engineers' Council at the University of Hawai'i (ECUH)</p>	<a href="http://ecuh.org">ecuh.org</a>	<a href="mailto:info@ecuh.org">info@ecuh.org</a>	The Engineers' Council at the University of Hawai'i (ECUH) is a student-operated executive board whose mission is to provide united action through cooperative, transparent, and effective representation of the student body of the College of Engineering at the University of Hawai'i at Mānoa.
 <p>American Indian Science and Engineering Society (AISES)</p>	<a href="http://aiseshawaii.weebly.com">aiseshawaii.weebly.com</a>	<a href="mailto:kmmw@hawaii.edu">kmmw@hawaii.edu</a>	The American Indian Science and Engineering Society (AISES) is a national nonprofit organization focused on substantially increasing the representation of Indigenous peoples of North America and the Pacific Islands in science, technology, engineering, and math (STEM) studies and careers.
 <p>Society of Women Engineers (SWE)</p>	<a href="http://uhm.swe.org">uhm.swe.org</a>	<a href="mailto:swemanoa@hawaii.edu">swemanoa@hawaii.edu</a>	The Society of Women Engineers' mission is to empower students to achieve full potential in careers as engineers and leaders, expand the image of the engineering and technology professions as a positive force in improving the quality of life. Despite the organization's focus on women, SWE encourages all engineering students (of either gender and in any field of discipline) to join the group.
 <p>American Society of Civil Engineers (ASCE)</p>	<a href="http://asceuhm.weebly.com">asceuhm.weebly.com</a>	<a href="mailto:kmashi@hawaii.edu">kmashi@hawaii.edu</a>	The goal of ASCE is to help our members build lasting friendships and useful connections through promotion of the civil engineering profession.
 <p>Institute of Transportation Engineers (ITE)</p>	<a href="http://www.ite-hawaii.org">www.ite-hawaii.org</a>	<a href="mailto:iteuhm@gmail.com">iteuhm@gmail.com</a>	The Institute of Transportation Engineers (ITE) at UH Mānoa promotes the advancement of transportation by providing students the opportunity to network with peers and professionals, learn about new developments in transportation, and prepare students for an engineering profession through numerous events and competitions both locally and nationally.
 <p>Chi Epsilon (XE)</p>	<a href="https://sites.google.com/site/xeuhmanoa">sites.google.com/site/xeuhmanoa</a>	<a href="mailto:uhxe@hawaii.edu">uhxe@hawaii.edu</a>	Chi Epsilon is a civil engineering honor society that invites top juniors and seniors to become a part of the society, where we do community service, professional development workshops, and fun social activities.

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 <p>Institute of Electrical and Electronics Engineers (IEEE)</p>	<a href="http://www.ieeeatuhm.org">www.ieeeatuhm.org</a>	<a href="mailto:ieee@hawaii.edu">ieee@hawaii.edu</a>	The Institute of Electrical and Electronics Engineers (IEEE) student chapter is an engineering interactive organization. Although their focus is on Electrical Engineering, membership is open to students of all majors. Group activities include company tours and guest speakers that enhance the students' professional awareness.
 <p>Eta Kappa Nu (HKN)</p>	<a href="http://hknhawaii.weebly.com">hknhawaii.weebly.com</a>	<a href="mailto:uh.hkn.do@gmail.com">uh.hkn.do@gmail.com</a>	Eta Kappa Nu (HKN) is the National Honor Society for Electrical and Computer Engineers, providing opportunities to network with peers, give back to the community, and connect with professors and hiring companies.
 <p>American Society of Mechanical Engineers (ASME)</p>	<a href="http://uhmasme.wixsite.com/asmeuhm">uhmasme.wixsite.com/asmeuhm</a>	<a href="mailto:uhmasme@gmail.com">uhmasme@gmail.com</a>	American Society of Mechanical Engineers (ASME) is an organization dedicated to providing services such as professional development and networking to the UHM College of Engineering (COE) Mechanical Engineering department.
 <p>Pi Tau Sigma (PTS)</p>	<a href="http://uhmsigmapi.wixsite.com/pitau">uhmsigmapi.wixsite.com/pitau</a>	<a href="mailto:uhm.sigmapi@gmail.com">uhm.sigmapi@gmail.com</a>	Pi Tau Sigma is the National Honorary Mechanical Engineering Fraternity and is a member of the Association of College Honor Societies.
 <p>Society of Automotive Engineers (SAE)</p>	<a href="http://saemanoa.wixsite.com/uhm-sae">saemanoa.wixsite.com/uhm-sae</a>	<a href="mailto:saemanoa@hawaii.edu">saemanoa@hawaii.edu</a>	Society of Automotive Engineers (SAE) is an organization that provides technical resources and facilitates the integration of underclassmen in environments that develop leadership, time management, and technical skills through our sponsored projects.
 <p>American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE)</p>	<a href="http://ashraehawaiichapter.info">ashraehawaiichapter.info</a>	<a href="mailto:uhmashrae@gmail.com">uhmashrae@gmail.com</a>	ASHRAE offers student members the opportunity to interact and 'network' with members of the local ASHRAE Chapter, to participate in technical tours, learn from guest speakers, present technical papers, and to interact with other students with the same career interests.

## College of Engineering at UH Mānoa

# 2024-2025 Vertically Integrated Projects (VIP)

Website: <https://manoa.hawaii.edu/uh-vip/>

Organization	Website	Contact
Space and Aerial Robotics	<a href="https://manoa.hawaii.edu/uh-vip/project/space-and-aerial-robotics/">https://manoa.hawaii.edu/uh-vip/project/space-and-aerial-robotics/</a>	Dr. Wayne Shiroma, wayne.shiroma@hawaii.edu
Micro VIP	<a href="https://manoa.hawaii.edu/uh-vip/project/micro-vip/">https://manoa.hawaii.edu/uh-vip/project/micro-vip/</a>	Dr. Aaron Ohta, aohta@hawaii.edu
Smart Campus Energy Lab (SCEL)	<a href="https://manoa.hawaii.edu/uh-vip/project/smart-campus-energy-lab-scel/">https://manoa.hawaii.edu/uh-vip/project/smart-campus-energy-lab-scel/</a>	Dr. Anthony Kuh, kuh@hawaii.edu
Kanaloa	<a href="http://rip.eng.hawaii.edu/research/unmanned-x-systems/">http://rip.eng.hawaii.edu/research/unmanned-x-systems/</a>	Dr. Zac Trimble, atrimble@hawaii.edu
Liquid-Metal Electronics	<a href="https://manoa.hawaii.edu/uh-vip/project/liquid-metal-electronics/">https://manoa.hawaii.edu/uh-vip/project/liquid-metal-electronics/</a>	Dr. Aaron Ohta, aohta@hawaii.edu Dr. Wayne Shiroma, wayne.shiroma@hawaii.edu
Manoa Astronomical Technologies (MAT)	<a href="http://rip.eng.hawaii.edu/research/astronomical-instruments-and-precision-engineering/">http://rip.eng.hawaii.edu/research/astronomical-instruments-and-precision-engineering/</a>	Dr. Zac Trimble, atrimble@hawaii.edu
Cyber Security and Drone Applications	<a href="https://manoa.hawaii.edu/uh-vip/project/cyber-security-and-drone-applications/">https://manoa.hawaii.edu/uh-vip/project/cyber-security-and-drone-applications/</a>	Dr. Yingfei Dong at yingfei@hawaii.edu
Renewable Energy Design	<a href="https://manoa.hawaii.edu/uh-vip/project/renewable-energy-design/">https://manoa.hawaii.edu/uh-vip/project/renewable-energy-design/</a>	Dr. Reza Ghorbani rezag@hawaii.edu
Fixed-Wing Autonomous Unmanned Aerial Vehicles	<a href="https://manoa.hawaii.edu/uh-vip/project/fixed-wing-autonomous-unmanned-aerial-vehicles/">https://manoa.hawaii.edu/uh-vip/project/fixed-wing-autonomous-unmanned-aerial-vehicles/</a>	Dr. Mehrdad Ghasemi-Nejhad, nejhad@hawaii.edu
Smart Needle	<a href="https://uhatmanoa.wixsite.com/ammi">https://uhatmanoa.wixsite.com/ammi</a>	Dr. Bardia Konh, konh@hawaii.edu
Coral Nursery	<a href="https://uhmcoral.wixsite.com/coralnursery">https://uhmcoral.wixsite.com/coralnursery</a>	Dr. Bardia Konh, konh@hawaii.edu
Aerospace Technologies	<a href="https://www.teamhokulele.com/">https://www.teamhokulele.com/</a>	Dr. Miguel Nunes, manunes@hawaii.edu
Applied Material and Nanosystems	<a href="https://manoa.hawaii.edu/uh-vip/project/applied-materials-and-nanosystems/">https://manoa.hawaii.edu/uh-vip/project/applied-materials-and-nanosystems/</a>	Dr. Joseph J. Brown, jjbrown@hawaii.edu
Advanced Manufacturing: Bioprinting (on hiatus)	<a href="https://www.rayresearchgroup.com/vip_project">https://www.rayresearchgroup.com/vip_project</a>	Dr. Tyler Ray, raytyler@hawaii.edu
Autonomous Electric Vehicle System (AEVS)	<a href="https://manoa.hawaii.edu/uh-vip/project/autonomous-electric-vehicle-system-aevs/">https://manoa.hawaii.edu/uh-vip/project/autonomous-electric-vehicle-system-aevs/</a>	
Robotic Space Exploration (RoSE) VIP	<a href="https://manoa.hawaii.edu/uh-vip/project/robotic-space-exploration-rose-vip/">https://manoa.hawaii.edu/uh-vip/project/robotic-space-exploration-rose-vip/</a>	Dr. Frances Zhu, zhu@higp.hawaii.edu

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Automatic Strategy Inference for Games	<a href="https://manoa.hawaii.edu/uh-vip/project/asig/">https://manoa.hawaii.edu/uh-vip/project/asig/</a>	Narayana Santhanam, nsanthan@hawaii.edu; Igor Molybog, molybog@hawaii.edu; Liuwan Zhu, liuwan@hawaii.edu
UH Energy and Sustainability	<a href="https://manoa.hawaii.edu/uh-vip/project/uh-energy/">https://manoa.hawaii.edu/uh-vip/project/uh-energy/</a>	Dr. Olga Boric-Lubecke, olgabl@hawaii.edu
Monet: Millimeter-Wave Communication and Sensing Integration	<a href="https://manoa.hawaii.edu/uh-vip/project/monet/">https://manoa.hawaii.edu/uh-vip/project/monet/</a>	Dr. Yao Zheng, yaozheng@hawaii.edu
Rainbow Warrior Racing (RWR)	<a href="https://me.hawaii.edu/design/rwr/">https://me.hawaii.edu/design/rwr/</a>	uhmfsae@gmail.com