SUSTech 2027 Doctoral& Master's Programs in English for International Students

Schools/ Departments 招生院系	Name of Supervisor 导师姓名	Program (Docrotal/ Master's)	Major 招生学科	Research Area(s) 研究方向	Supervisor's Webpage 个人主页
Department of Physics	Jinlong Zhu	doctoral_degree	Physics	Functional Materials	https://www.sustech.edu.cn/en/faculties/zhujinlong.html https://www.researchgate.net/profile/Jinlong-Zhu-3/research
Department of Physics	Shanmin Wang	doctoral_degree	Physics	High-Pressure Physics and Materials	https://www.sustech.edu.cn/zh/faculties/wangshanmin.html
Department of Physics	Xiuyang Xia	doctoral_degree	Physics	Statistical Physics, Biological Physics, Soft Condensated Matter, AI Physics	https://xxialab.github.io/
Department of Chemistry	Zuowei Xie	doctoral_degree	Chemistry	organometallic, main group chemistry, boron-containing drugs	https://xiegroup.chem.sustech.edu.cn/
Department of Chemistry	Chris Soon Heng TAN	doctoral_degree	Biology, Chemistry	Systems Pharmacology & Chemical Biology, Computational & Network Biology, AI for Drug Discovery	https://faculty.sustech.edu.cn/?tagid=christan&go=2&lang=en
Department of Chemistry	Rui Hao	doctoral_degree	Chemistry	Spatiotemporal and chemically resolved electrochemical interfaces imaging; Single entity electroanalysis	http://faculty.sustech.edu.cn/haor/
Department of Chemistry	Ri Wu	doctoral_degree	Chemistry	Analytical Chemistry: biological mass spectrometry and its instrumentations, methodologies, and applications in conformational studies of protein and protein	https://chem.sustech.edu.cn/?l=zh-cn#/common/teachersDetail?current_id=58&id=150
Department of Chemistry	Ruijun Tian	doctoral_degree	Chemistry	Focusing on methodological and technological research in proteomics, with an emphasis on its application in biomedical directions such as cell signal transduction and the tumor microenvironment in pancreatic cancer	https://www.sustech.edu.cn/en/faculties/english-ruijun-tian.html
Department of Chemistry, Center for Advanced Light Source	Zirui Gao	doctoral_degree	Chemistry	1. Heterogeneous Catalysis: Developing high-performance catalytic systems for hydrogen production and storage. 2. In-situ Characterization: Advancing in-situ/operando characterization techniques to understand catalytic mechanisms at the molecular and atomic levels. 3. Industrial Application: Driving the development of catalytic processes with practical industrial prospects to meet market demands.	https://www.sustech.edu.cn/zh/faculties/gaozirui.html
Department of Statistics and Data Science	Ting Li	doctoral_degree	Statistics/Math/Computer Science	Large Model, AI, Machine Learning, Statistics	https://www.sustech.edu.cn/zh/faculties/liting.html
School of Life Sciences	Andrew Hutchins	doctoral_degree	Biology	Pluripotent stem cells, embryogenesis, innate immune system, genomics,	https://www.chrom-lab.org/
Department of Electronic and Electrical	Xiao Wei SUN	doctoral_degree	Physics	Wide bandgap semiconductors, colloidal quantum dot photonics, AR/VR display	https://www.sustech.edu.cn/en/faculties/sunxiaowei.html
Department of Electronic and Electrical Engineering	Qingsha Cheng	doctoral_degree	Physics	e AI-assisted microwave and antenna design, space mapping and intelligent optimization, antenna and microwave filter design, and automated design of RF and	https://chenglab.eee.sustech.edu.cn/
Department of Electronic and Electrical Engineering	Liyang Shao	doctoral_degree	Physics	Intelligent distributed fiber-optic sensing and space-air-ground-sea integrated intelligent networking, applied to oil & gas pipelines, power grids, rail transit, bridges/tunnels, perimeter security, telecom cables, aerospace, offshore wind/oil &	https://www.sustech.edu.cn/zh/faculties/shaoliyang.html
Department of Electronic and Electrical	Aung Ko Ko Kyaw	doctoral_degree	Materials Science and Engineering	Organic and Perovskite-Based Optoelectronic Devices; AI for Material Science	https://www.sustech.edu.cn/en/faculties/aung-ko-ko-
Institute of Nanoscience and Applications, Department of Electronic and Electrical	Lars Samuelson	doctoral_degree	Physics	Design and growth of complex nanomaterials; Deep sub-wavelength scale photonics methods;	https://www.sustech.edu.cn/en/faculties/larssamuelson.html
Institute of Nanoscience and Applications, Department of Electronic and Electrical	Xiao Wei Sun	doctoral_degree	Physics	Wide-bandgap semiconductors, colloidal quantum dots, optoelectronics, displays	https://faculty.sustech.edu.cn/sunxw/en/
Institute of Nanoscience and Applications, Department of Electronic and Electrical	Xiao Wei Sun	doctoral_degree	Integrated Circuits Science and Engineering	Wide-bandgap semiconductors, colloidal quantum dots, optoelectronics, displays	https://faculty.sustech.edu.cn/sunxw/en/
Department of Materials Science and Engineering	Ruitao Wen	doctoral_degree	Materials Science and Engineering	Electrochromic materials and devices	http://faculty.sustech.edu.cn/wenrt/
Department of Materials Science and Engineering	Jinhui Zhong	doctoral_degree	Materials Science and Engineering	1. Tip-enhanced Raman spectroscopy, scanning near-field optical microscopy. 2. Ultrafast two-dimensional electronic spectroscopy, pump-probe spectroscopy, and interferometric methods. 3. Spatially and temporally resolved electronic, optical, and catalytic properties of functional materials. 4. Nonlinear optics, Electrochemistry.	1,https://faculty.sustech.edu.cn/?tagid=zhongjh&iscss=1&snapid=1&orderby=date&go=2 2,https://www.ultrafast-zhonglab.com/
Department of Materials Science and Engineering	YURY ILLARIONOV	doctoral_degree	Materials Science and Engineering	The group of Prof. Yury Illarionov focuses on finding suitable insulators for different types of 2D devices and work on the following research themes: – Fabrication of filed-effect transistors, photodetectors and sensors with different 2D channels and new insulators such as fluorides and native oxides – Advanced characterization of the performance and reliability of these devices in a broad range of temperatures – Advanced TCAD modeling of device performance and reliability to finally determine which combinations of insulators and 2D channels would enable the most competitive transistors, photodetectors and sensors – Development of scalable fabrication techniques for the most promising devices, which would also fit technologically feasible thermal budgets (cooperation with industry would be especially valuable for this topic)	https://www.l2don.com/
Department of Materials Science and Engineering	Lei Li	doctoral_degree	Materials Science and Engineering	Development of methodologies for machine-learning potentials and dynamics simulations; Investigation of catalytic mechanisms; Dynamics of nanomaterials; Phase change behavior of semiconductor materials	https://faculty.sustech.edu.cn/?tagid=lil33&iscss=1&snapid=1&orderby=date&go=2

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Department of Materials Science and Engineering	Changjian Li	doctoral_degree	Materials Science and Engineering	Ferroelectric thin films, scanning transmission electron microscopy	https://faculty.sustech.edu.cn/licj/
School of Environmental Science and Engineering	Yan Zheng	doctoral_degree	Environmental Science and Engineering	Chemical compounds and elements in the aquatic environment with a goal to protect human and ecosystem health across the land-ocean continuum	https://faculty.sustech.edu.cn/?tagid=yan.zheng&iscss=1&snapid=1&orderby=date&go=2
School of Environmental Science and Engineering	Bin Ye	doctoral_degree	Environmental Science and Engineering	1. Environmental management mechanisms for climate change mitigation and adaptation 2. Assessment of carbon reduction potential and economic technology for energy conservation and emission reduction in energy production and water treatment	https://faculty.sustech.edu.cn/?tagid=yeb&iscss=1&snapid=1&orderby=date&go=2&lang=en
School of Environmental Science and Engineering	Guomao Zheng	doctoral_degree	Environmental Science and Engineering	Environmental analytical chemistry; high-resolution mass spectrometry and non-target screening; exposomics; metabolomics	https://faculty.sustech.edu.cn/zhenggm/en/
Department of Mechanics and Aerospace Engineering	Jing Du	doctoral_degree	Mechanics	Mechanics and Materials; Fracture Mechanics; Biomechanics; Biomaterials; Medical Devices; Bio-inspired Design.	https://www.sustech.edu.cn/en/faculties/jingdu.html
Department of Mechanics and Aerospace Engineering	Ju Liu	doctoral_degree	Mechanics	Solid mechanics, Computational mechanics, Computational fluid dynamics, High-performance computing	https://ju-liu.github.io/
Department of Mechanics and Aerospace	Yu Liu	doctoral_degree	Mechanics	Aeroacoustics, flow and noise control, low-noise rotors/fans	https://faculty.sustech.edu.cn/liuy/en/
Department of Mechanics and Aerospace Engineering	Shidi Huang	doctoral_degree	Physics	Pattern formation and phase transition in non-equilibrium flows, in particular active fluids and turbulence; Nonlinear dynamics and collective behaviors of active matter	https://faculty.sustech.edu.cn/?tagid=huangsd&iscss=1&snapid=1&orderby=date&go=2&lang=en
Department of Mechanics and Aerospace Engineering	Shidi Huang	doctoral_degree	Mechanics	Flow physics of aquatic organisms at moderate Reynolds numbers; Fluid-structure interaction in energy harvesting and biomimetic propulsion problems; Turbulence (including multiphase flows) research with potential applications in heat transfer	https://faculty.sustech.edu.cn/?tagid=huangsd&iscss=1&snapid=1&orderby=date&go=2&lang=en
Department of Mechanics and Aerospace Engineering	Zian Jia	doctoral_degree	Mechanics	Mechanics of materials, Biobogical materials and bioinspired design, Metamaterils, Advanced manufacturing, AI for materials innovation	https://jiazian1989.wixsite.com/mysite
Department of Mechanics and Aerospace Engineering	Dong Yang	doctoral_degree	Mechanics	Zero-carbon clean energy, Thermoacoustic instability，Aerospace propulsion	https://faculty.sustech.edu.cn/?tagid=yangd3&iscss=1&snapid=1&orderby=date&go=2&lang=en
Department of Mechanics and Aerospace Engineering	Xin Tang	doctoral_degree	Mechanics	Interfacial phenomena (liquid/solid interaction, superwettability); Microscale fluids (droplet, microscale flows); Nanotechnology (nanomaterials, nanostructures, size	https://faculty.sustech.edu.cn/?tagid=tangx&iscss=1&snapid=1&orderby=date&go=2
Department of Mechanics and Aerospace	Huanshu Tan	doctoral_degree	Mechanics	Microfluidics, Drops & Bubbles, Interfacial Flows, Physics of Complex Fluids	https://faculty.sustech.edu.cn/tanhs/en/
Department of Mechanics and Aerospace Engineering	Yahui Xue	doctoral_degree	Mechanics	Mechanics of nanomaterials, Nanofluidics; Mechanical metamaterials; Smart actuation and sensing techniques; microfluidic flow and heat transfer.	https://www.sustech.edu.cn/en/faculties/xue-yahui.html
Department of Mechanics and Aerospace	Minping Wan	doctoral_degree	Mechanics	Turbulence theory and simulation; Wind Energy; Geophysical and enviromental	https://faculty.sustech.edu.cn/wanmp/en/
Department of Mechanics and Aerospace Engineering	Lian-Ping Wang	doctoral_degree	Mechanics	Theory, implementation, and applications of Boltzmann-equation based CFD methods, Simulations and physics of turbulent multiphase flows, high-performance	https://faculty.sustech.edu.cn/wanglp/en/
Department of Mechanics and Aerospace	Wei Hong	doctoral_degree	Mechanics	Mechanics of Soft Materials	https://faculty.sustech.edu.cn/hongw/en/
Department of Mechanics and Aerospace	Xin Zhang	doctoral_degree	Mechanics	Solid mechanics, impact dynamics, mechanics of composite materials	https://faculty.sustech.edu.cn/zhangx8/en/
Department of Mechanics and Aerospace	Peng YU	doctoral_degree	Mechanics	Complex Fluid Flow	https://faculty.sustech.edu.cn/yup6/en/
Department of Mechanics and Aerospace Engineering	Lei Wu	doctoral_degree	Mechanics	rarefied gas dynamics; atmospheric reentry; Mars landing; multiscale plasma simulation	https://scholar.google.com/citations?user=xGlG_OcAAAAJ&hl=zh-CN
Department of Mechanics and Aerospace Engineering	Bo Zhou	doctoral_degree	Mechanics	Turbulent reacting flow, Laser diagnostics	https://faculty.sustech.edu.cn/?tagid=zhoub3&iscss=1&snapid=1&orderby=date&go=2&lang=en
Department of Mechanics and Aerospace Engineering	Xi Chen	doctoral_degree	Mechanics	Rotordynamics; Nonlinear Dynamics; Structural Vibration; Fluid Structure Interaction; Stability Analysis; Vibration Control; Damper Design; Dynamic Balancing; Condition Monitoring and Fault Diagnosis;	https://faculty.sustech.edu.cn/chenx33/en/
Department of Mechanics and Aerospace	Cangyu Qu	doctoral_degree	Mechanics	Nanomechanics, Nanotribology, 2D Materials	https://qu-lab.mysxl.cn/
Department of Mechanics and Aerospace	Hongyan Yuan	doctoral_degree	Mechanics	Biomechanical Engineering; Biomechanics; Mechanobiology	https://www.sustech.edu.cn/en/faculties/yuanhongyan.html
Department of Mechanics and Aerospace Engineering	Jiarui Wang	doctoral_degree	Mechanics	Computational mechanics; solid mechanics; nonlinear numerical methods for continua and structures.	https://wangmeshfree.github.io/
Department of Mechanical and Energy Engineerig	Haijiang Wang	doctoral_degree	Intelligent Manufacturing and Robotics	Fuel cell technology: 1) Research of key materials and components for fuel cells, including low platinum and non-platinum catalysts, proton exchange membranes, gas diffusion layers, bipolar plates 2) Membrane electrode structure design for proton exchange membrane fuel cell, including catalyst layer structure and interface 3) Fuel cell stack design, diagnosis, testing, life research	https://faculty.sustech.edu.cn/wanghj/en/

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Department of Mechanical and Energy Engineerig	Yongbo Wu	doctoral_degree	Intelligent Manufacturing and Robotics	Multi-field assisted/hybrid precision manufactruing 1) Ultrasonic assisted cutting/grinding/polishing 2) Ultrasonic-plasma hybrid assisted grinding 3) Elliptic ultrasonic assisted fixed abrasive CMP 4) Magnetic compound fluid ultra-fine surface finishing 5) Development of ultrasonic medical device	https://faculty.sustech.edu.cn/wuyb/（中文）， https://faculty.sustech.edu.cn/wuyb/en/（英文）
Department of Mechanical and Energy Engineerig	Yongsheng Ma	doctoral_degree	Intelligent Manufacturing and Robotics	Advanced Engineering Informatics for Smart Design and Manufacturing: (1) 3D point-cloud object characterization and feature modeling; (2) Smart sensing with LIDAR; (3) Human body parametric modeling and cloth matching with physical	https://faculty.sustech.edu.cn/mays/en/
Department of Mechanical and Energy Engineerig	Qi-Huo Wei	doctoral_degree	Physics	Active matter physics, topological structures in liquid crystals, liquid crystal optics, liquid crystal elastomers, 3D/4D printing	https://faculty.sustech.edu.cn/weiqh/en/
Department of Mechanical and Energy Engineerig	Bi Zhang	doctoral_degree	Intelligent Manufacturing and Robotics	High-speed machining; Precision machining; Additive manufacturing	https://mee.sustech.edu.cn/2017/node1_0620/453.html
Department of Mechanical and Energy Engineerig	U Kei Cheang	doctoral_degree	Intelligent Manufacturing and Robotics	Micro- and Nanorobotics	https://faculty.sustech.edu.cn/zhengyj/en/
Department of Mechanical and Energy Engineerig	Chengzhi Hu	doctoral_degree	Intelligent Manufacturing and Robotics	Magnetic microrobots; Magnetic actuation for capsule endoscope; Microfluidics for single cell analysis	https://mee.sustech.edu.cn/2018/node_1_4_0504/615.html
Department of Mechanical and Energy Engineerig	Jiaming Bai	doctoral_degree	Intelligent Manufacturing and Robotics	Additive Manufacturing and Design	https://mee.sustech.edu.cn/2017/node_1_4_0829/497.html
Department of Mechanical and Energy Engineerig	Meng Lin	doctoral_degree	Intelligent Manufacturing and Robotics	Solar-driven fuel processing technology	https://mee.sustech.edu.cn/2019/node_1_4_0826/826.html
Department of Mechanical and Energy Engineerig	Hongqiang WANG	doctoral_degree	Intelligent Manufacturing and Robotics	Novel Actuation and soft robots	http://hongqiang-wang.com/
Department of Mechanical and Energy Engineerig	Lin Zeng	doctoral_degree	Intelligent Manufacturing and Robotics	Fuel cell technology, Renewable energy storage and conversion	https://mee.sustech.edu.cn/2019/jiaoshou3_0107/739.html
Department of Mechanical and Energy Engineerig	Yonghua Zhao	doctoral_degree	Intelligent Manufacturing and Robotics	Non-traditional hybrid micro/nano manufacturing	http://faculty.sustech.edu.cn/zhaoyh/en/
Department of Mechanical and Energy Engineerig	Xihan Chen	doctoral_degree	Chemistry	Photocatalysis, Ultrafast spectroscopy	https://faculty.sustech.edu.cn/chenxh/en/
Department of Mechanical and Energy Engineerig	Binbin He	doctoral_degree	Intelligent Manufacturing and Robotics	Advanced high strength steels	https://faculty.sustech.edu.cn/hebb/
Department of Mechanical and Energy Engineerig	Yiju Li	doctoral_degree	Chemistry	High-energy-density lithium metal batteries; Advanced electrolyte design and development; Alkali metal ion batteries; Solid-state lithium batteries	https://mee.sustech.edu.cn/2022/node_1_4_0825/1247.html
Department of Mechanical and Energy Engineerig	Shaolin Xu	doctoral_degree	Intelligent Manufacturing and Robotics	Laser processing, Ultrafast Laser Micro-/Nanofabrication	https://faculty.sustech.edu.cn/xusl/
Department of Mechanical and Energy Engineerig	Huijuan Feng	doctoral_degree	Intelligent Manufacturing and Robotics	Origami robots, Reconfigurable robots, Deployable structures	https://www.sustech.edu.cn/en/faculties/huijuanfeng.html
Department of Mechanical and Energy Engineerig	Liang Guo	doctoral_degree	Intelligent Manufacturing and Robotics	Laser Processing, Heat Transfer, Laser Spectroscopy	https://faculty.sustech.edu.cn/guol3/en/
Department of Mechanical and Energy Engineerig	Xin Ma	doctoral_degree	Intelligent Manufacturing and Robotics	Medical Robot Development: 1)Felxible obotic Drill for Sugery; 2) AI-assisted Sugery; 3) Sugerical Robot Automation Control.	https://max-lab.tech/
Department of Mechanical and Energy Engineerig	Ji Liu	doctoral_degree	Materials Science and Engineering	Bioelectronics, 3D Printing, bioengineering, biofabrication	https://faculty.sustech.edu.cn/liuj9/en/
Department of Mechanical and Energy Engineerig	Wenjun Lu	doctoral_degree	Materials Science and Engineering	Metals, ceramics, additive manufacturing	https://www.sustech.edu.cn/en/faculties/luwenjun.html
Department of Computer Science and Engineering	Fengwei Zhang	doctoral_degree	Computer Science and Technology	Systems Security, Trusted Execution Environments	https://fengweiz.github.io/
Department of Computer Science and Engineering	Georgios Theodoropoulos	doctoral_degree	Computer Science and Technology	Big data, cloud computing, multi-agent distributed modeling, digital twin	https://www.gtheodoropoulos.com/
Department of Computer Science and Engineering	Pietro Simone Oliveto	doctoral_degree	Computer Science and Technology	Theory of randomised search heuristics, theory of AI, theory of computational	https://peteroliveto.github.io/
Department of Biomedical Engineering	Bin Tang	doctoral_degree	Biomedical Engineering	Biomechanics	https://faculty.sustech.edu.cn/tangb/en/
School of Medicine	Jin-Tang Dong	doctoral_degree	Biology	Tumor progression: from mechanisms to translation	https://www.sustech.edu.cn/en/faculties/dongjintang.html
School of Medicine/Department of Biochemistry	Deyang Yu	doctoral_degree	Biology	Cancer Metabolism and Cell death	https://www.sustech.edu.cn/en/faculties/deyangyu.html
School of Medicine/Department of Pharmacology	Peng Wang	doctoral_degree	Biology	Nucleic acid medicine (mRNA, siRNA), Glycobiology/Glycomedicine/Glycochemistry, ADC antitumor drug	https://www.sustech.edu.cn/en/faculties/wangpeng-jiangxijiaoshou.html
School of Medicine/Department of Biochemistry	Liwei Cao	doctoral_degree	Biology	Analytical Chemistry, glycobiology	https://www.sustech.edu.cn/en/faculties/caoliwei.html
School of Medicine/Department of Pharmacology	Yang Liang	doctoral_degree	Biology	Microbiology, infection, epidemiology, antibiotic resistance gene spread, biofilms, quorum sensing, drug development	https://med.sustech.edu.cn/Home/Default/teachersMore?AID=353
School of Medicine/Department of Medical Neuroscience	Ruilin Tian	doctoral_degree	Biology	Cellular and molecular neuroscience, CRISPR-based functional genomics	https://faculty.sustech.edu.cn/?tagid=tianrl&iscss=1&snapid=1&orderby=date&go=2&lang=en

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School of Medicine/Department of Medical Neuroscience	Tingxin Zhang	doctoral_degree	Biology	Cellular and molecular neuroscience, glia biology, oligodendrocyte and myelin,	https://faculty.sustech.edu.cn/?tagid=zhangtx&iscss=1&snapid=1&orderby=date&go=2&lang=en
School of Medicine/Department of Biochemistry	Shan Li	doctoral_degree	Biology	Pathogen and host interaction， Cell death， prokaryotic immunity	https://faculty.sustech.edu.cn/?tagid=lis8&iscss=1&snapid=1&orderby=date&go=2&lang=en
School of Medicine/Department of Biochemistry	Ming-Yuan Su	doctoral_degree	Biology	Lysosomal biology and protein homeostasis	https://www.sustech.edu.cn/en/faculties/su-ming-yuan.html
School of Medicine/Department of Biochemistry	Xin Hong	doctoral_degree	Biology	Circulating tumor cell biology and cancer metastasis	https://www.sustech.edu.cn/en/faculties/hongxin.html
School of Medicine/Department of Human Cell Biology and Genetics	Shimin Shuai	doctoral_degree	Biology	Bioinformatics / Cancer Multiomics / Microbiome / RNA Processing	https://www.sustech.edu.cn/en/faculties/shiminshuai.html
School of Medicine	Michael M Xing	doctoral_degree	Biology/Clinical Medicine	Molecular-based precision oncology	https://www.sustech.edu.cn/zh/faculties/xingmingzhao.html
School of Medicine	Jun Tian	doctoral_degree	Biology	Tumor biology, Immunology, Bioinformatics	https://www.sustech.edu.cn/en/faculties/juntian.html
Institute of Advanced Biotechnology, School of Medicine	Jiankang ZHU	doctoral_degree	Biology	1) Developing innovative gene editing technologies 2) CRISPR-based cell and gene therapies 3) Epigenetic gene regulation, cancer treatment and anti-aging	https://iab.sustech.edu.cn/Research-details-pid-6-typeid-2.html
Institute of Advanced Biotechnology, School of Medicine	Jiankang ZHU	doctoral_degree	Biomedical Engineering	1) Developing innovative gene editing technologies 2) CRISPR-based cell and gene therapies 3) Epigenetic gene regulation, cancer treatment and anti-aging	https://iab.sustech.edu.cn/Research-details-pid-6-typeid-2.html
Institute of Advanced Biotechnology, School of Medicine	Pengcheng WANG	doctoral_degree	Biology	(1) Development and application of proteomics methods (2) Perception and signal transduction of osmotic stress (3) Genetic strategies for improving crop yield and adaptability to adversity	https://iab.sustech.edu.cn/Research-details-pid-41-typeid-2.html
Institute of Advanced Biotechnology, School of Medicine	Zhaobo LANG	doctoral_degree	Biology	(1) Optimization of new gene editing tools (2) Molecular Mechanism Study and Aging Intervention Techniques of Plant DNA Methylation "Life Clock"	https://iab.sustech.edu.cn/Research-details-pid-35-typeid-2.html
Institute of Advanced Biotechnology, School of Medicine	Pengpeng Liu	doctoral_degree	Biology	(1) AI-based Protein designing and engineering, including Cell-free based iterated direct evolution and high thorough-put screening in vitro (2) Development of novel and effective in vivo delivery methods for gene and cell therapy (3) Development more sensitive in vitro and in vivo Off-targeting detection methods for clinical gene therapy	https://iab.sustech.edu.cn/Research-details-pid-53.html
Institute of Advanced Biotechnology, School of Medicine	Pengpeng Liu	doctoral_degree	Biomedical Engineering	(1) AI-based Protein designing and engineering, including Cell-free based iterated direct evolution and high thorough-put screening in vitro (2) Development of novel and effective in vivo delivery methods for gene and cell therapy (3) Development more sensitive in vitro and in vivo Off-targeting detection methods for clinical gene therapy	https://iab.sustech.edu.cn/Research-details-pid-53.html
School of Microelectronics	Yi Li	doctoral_degree	Integrated Circuits Science and Engineering	DNA data storage, Physical unclonable devices, Inverse lithography	https://faculty.sustech.edu.cn/?tagid=liy37
School of Microelectronics	Xiaoguang Liu	doctoral_degree	Integrated Circuits Science and Engineering	Radio-frequency integrated circuit design; Analog integrated circuit design; Microwave components and antenna design; Optical imaging systems.	https://www.sustech.edu.cn/en/faculties/liuxiaoguang.html
School of Microelectronics	Longyang Lin	doctoral_degree	Integrated Circuits Science and Engineering	Ultra-low power digital circuit design; Energy-efficient AI processor design; Cryogenic digital integrated circuit design.	https://faculty.sustech.edu.cn/?tagid=linly&iscss=1&snapid=1&orderby=date&go=2
School of Microelectronics	Zhongrui Wang	doctoral_degree	Computer Science and Technology	Embodied AI; Computing system for edge AI.	https://web.ial-cvmi.com/
School of Microelectronics	Min Wang	doctoral_degree	Integrated Circuits Science and Engineering	MEMS, micro/nano fabrication, physical sensors	https://faculty.sustech.edu.cn/?tagid=wangm&iscss=1&snapid=1&orderby=date&go=2&lang=en
School of Design	Seungwoo JE	doctoral_degree	Computer Science and Technology	Human-Computer Interaction, VR/AR, Haptics	https://immersivedesignresearch .com/seungwoo
School of Design	Xueliang Li	doctoral_degree	Intelligent Manufacturing and Robotics	Human-computer Interaction; Human-robot Interaction; design for mental wellbeing	https://www.hci-xgroup.com
School of Design	Xueliang Li	doctoral_degree	Computer Science and Technology	Human-computer Interaction; Human-robot Interaction; design for mental wellbeing	https://www.hci-xgroup.com
School of Design	Pengcheng An	doctoral_degree	Computer Science and Technology	Human-Computer Interaction, Human-AI Interaction, Human-Robot Interaction,	https://anpengcheng.cn
School of Design	Xiaohua Sun	doctoral_degree	Intelligent Manufacturing and Robotics	Robot learning and human-robot interaction, autonomous driving and human-vehicle interaction, smart health and wellness, information visualization and visual	https://designschool.sustech.edu.cn/cn/about/our-team
School of Design	Xiaohua Sun	doctoral_degree	Computer Science and Technology	Robot learning and human-robot interaction, autonomous driving and human-vehicle interaction, smart health and wellness, information visualization and visual	https://designschool.sustech.edu.cn/cn/about/our-team
School of Design	Christiane Herr	doctoral_degree	Intelligent Manufacturing and Robotics	Architectural technology, robotically enhanced space, drone-building interfaces, building integrated vertiports, robot-plant interfaces, AI for biophilic design,	https://designschool.sustech.edu.cn/about/our-team
School of Design	Liang Hao	doctoral_degree	Intelligent Manufacturing and Robotics	Additive Manufacturing and Innovative Design	https://designschool.sustech.edu.cn/cn/about/our-team
School of Design	Liang Hao	doctoral_degree	Computer Science and Technology	AI, Intelligent Additive Manufacturing and Intelligent Design	https://designschool.sustech.edu.cn/cn/about/our-team
School of Automation and Intelligent	He Kong	doctoral_degree	Control Science and Engineering	Robotics and Intelligent Systems; Control Applications	https://hekong-sustech.github.io/

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School of Automation and Intelligent Manufacturing	Jian Chen	doctoral_degree	Control Science and Engineering	Robot Perception & Control; Fuel Cell System Control; Hydrogen–Electric Hybrid Powertrain Control; Vehicle Control & Intelligence; Nonlinear Control	https://www.sustech.edu.cn/en/faculties/jianchen.html
School of Automation and Intelligent	Zheng Xiaochen	doctoral_degree	Control Science and Engineering	Digital Twins; Digital Engineering; Model-based Systems Engineering	https://www.researchgate.net/profile/Xiaochen-
School of Automation and Intelligent	Zhaoyuan Ma	doctoral_degree	Control Science and Engineering	Intelligent Manufacturing, Embodied Intelligence, Human-Computer Interaction	https://www.sustech.edu.cn/zh/faculties/zhaoyuanma.html
School of Automation and Intelligent Manufacturing	Yuan Chen	doctoral_degree	Control Science and Engineering	(1) Mechanism analysis, multiscale and damage modelling for composites (2) Topology optimisation and multifunctional design of composite structures (3) Design, fabrication and application of innovative metacomposites (4) Intelligent manufacturing, experimental characterization and health monitoring of composite structures (5) Applications of composite materials in new energy, aerospace, medical devices,	https://faculty.sustech.edu.cn/chenyuan/
School of Automation and Intelligent Manufacturing	Youhong Tang	doctoral_degree	Control Science and Engineering	(1) Aggregation-Induced Emission (AIE) Functional Materials for Intelligent Sensing and Diagnostic Systems (2) Vortex Fluidic Mediated Functional Materials Engineering, Valorisation, and Intelligent Manufacturing (3) Ocean Energy Harvesting and Self-Powered Intelligent Sensing Systems (4) Sustainable Advanced Composite Materials and Intelligent Manufacturing	https://www.sustech.edu.cn/en/faculties/youhongtang.html
School of Automation and Intelligent Manufacturing	Yi Xiong	doctoral_degree	Control Science and Engineering	Monitoring and control of manufacturing processes, Robotic assembly	https://faculty.sustech.edu.cn/?tagid=xiongy3&iscss=1&snapid=1&orderby=date&go=2&lang=en
School of Automation and Intelligent	Liangming Chen	doctoral_degree	Control Science and Engineering	Artificial Intelligence and Robotics	https://faculty.sustech.edu.cn/chenlm6
School of Automation and Intelligent Manufacturing	Bohao Zhu	doctoral_degree	Control Science and Engineering	Positive systems, Multi-agent systems, Nonlinear Control, Robotic manipulator, UAV, Surgical Robotics.	https://www.sustech.edu.cn/en/faculties/bohaozhu.html
Department of Ocean Science and Engineering	Jianfei Chen	doctoral_degree	Mechanics	Ocean Engineering, Civil Engineering, Structural Engineering, FRP, Floating Structures, Finite Element Method, Discrete Element Method, Granular Solids, High Performance Concrete	https://ocean.sustech.edu.cn/views/Teacher_information.html?id=182
Department of Ocean Science and Engineering	Zhenhua Wei	doctoral_degree	Mechanics	Infrastructure materials, predictive maintenance, protective design	https://faculty.sustech.edu.cn/?tagid=weizh&iscss=1&snapid=1&orderby=date&go=2&lang=en
Department of Ocean Science and Engineering	Yong Fu	doctoral_degree	Mechanics	Marine Geotechnical and Foundation Engineering, Offshore Mooring and Anchoring Technology; Finite Element Modelling; Machine Learning; Physical	http://faculty.sustech.edu.cn/fuy3/en/
Department of Ocean Science and Engineering	Wei-Qiang FENG	doctoral_degree	Mechanics	Marine Geotechnics, Ocean Disaster Prediction	https://www.sustech.edu.cn/en/faculties/fengweiqiang.html
Department of Ocean Science and Engineering	Song He	doctoral_degree	Biology	Coral Reef Ecology, Genetics, and Evolution	N/A
Department of Ocean Science and Engineering	Youping Zhou	doctoral_degree	Biology	Isotopomics	
Department of Ocean Science and Engineering	Youping Zhou	doctoral_degree	Chemistry	Isotopomics	
Ocean Science and Engineering	Mengwei Liu	doctoral_degree	Mechanics	Energy geotechnics; geotechnical engineering; computer science; GIS.	https://www.sustech.edu.cn/en/faculties/liumengwei.html
College of Business	Shaun Shuxun Wang	doctoral_degree	Management Science and Engineering	Finance & Risk Management	https://business.sustech.edu.cn/web/professor_detail.php?id=
College of Business	Wensheng Yao	doctoral_degree	Management Science and Engineering	Integrity Governance,Public Policy and Public Administration,Compliance	https://www.sustech.edu.cn/zh/leadership/yaowensheng.html
Department of Physics	Jinlong Zhu	master_s_degree	Physics	Functional Materials	https://www.sustech.edu.cn/en/faculties/zhujinlong.html https://www.researchgate.net/profile/Jinlong-Zhu-4/research
Department of Physics	Shanmin Wang	master_s_degree	Physics	High-Pressure Physics and Materials	https://www.sustech.edu.cn/zh/faculties/wangshanmin.html
Department of Physics	Xiuyang Xia	master_s_degree	Physics	Statistical Physics, Biological Physics, Soft Condensated Matter, AI Physics	https://xxialab.github.io/
Department of Chemistry	Ri Wu	master_s_degree	Chemistry	Analytical Chemistry: biological mass spectrometry and its instrumentations, methodologies, and applications in conformational studies of protein and protein	https://chem.sustech.edu.cn/?l=zh-cn#/common/teachersDetail?current_id=58&id=150
Department of Chemistry	Ruijun Tian	master_s_degree	Chemistry	Focusing on methodological and technological research in proteomics, with an emphasis on its application in biomedical directions such as cell signal transduction and the tumor microenvironment in pancreatic cancer	https://www.sustech.edu.cn/en/faculties/english-ruijun-tian.html
Department of Statistics and Data Science	Ting Li	master_s_degree	Statistics/Math/Computer Science	Large Model, AI, Machine Learning, Statistics	https://www.sustech.edu.cn/zh/faculties/liting.html
School of Life Sciences	Andrew Hutchins	master_s_degree	Biology	Pluripotent stem cells, embryogenesis, innate immune system, genomics,	https://www.chrom-lab.org/
School of Environmental Science and Engineering	Yan Zheng	master_s_degree	Environmental Science and Engineering	Chemical compounds and elements in the aquatic environment with a goal to protect human and ecosystem health across the land-ocean continuum	https://faculty.sustech.edu.cn/?tagid=yan.zheng&iscss=1&snapid=1&orderby=date&go=2
School of Environmental Science and Engineering	Bin Ye	master_s_degree	Environmental Science and Engineering	1. Environmental management mechanisms for climate change mitigation and adaptation 2. Assessment of carbon reduction potential and economic technology for energy conservation and emission reduction in energy production and water treatment	https://faculty.sustech.edu.cn/?tagid=yeb&iscss=1&snapid=1&orderby=date&go=2&lang=en
School of Environmental Science and Engineering	Guomao Zheng	master_s_degree	Environmental Science and Engineering	Environmental analytical chemistry; high-resolution mass spectrometry and non-target screening; exposomics; metabolomics	https://faculty.sustech.edu.cn/zhenggm/en/

SUSTech 2027 Doctoral& Master's Programs in English for International Students

Schools/ Departments 招生院系	Name of Supervisor 导师姓名	Program (Docrotal/ Master's)	Major 招生学科	Research Area(s) 研究方向	Supervisor's Webpage 个人主页
Department of Mechanics and Aerospace Engineering	Jing Du	master_s_degree	Mechanics	Mechanics and Materials; Fracture Mechanics; Biomechanics; Biomaterials; Medical Devices; Bio-inspired Design.	https://www.sustech.edu.cn/en/faculties/jingdu.html
Department of Mechanics and Aerospace Engineering	Zian Jia	master_s_degree	Mechanics	Mechanics of materials, Biobogical materials and bioinspired design, Metamaterils, Advanced manufacturing, AI for materials innovation	https://jiazian1989.wixsite.com/mysite
Department of Mechanics and Aerospace	Huanshu Tan	master_s_degree	Mechanics	Microfluidics, Drops & Bubbles, Interfacial Flows, Physics of Complex Fluids	https://faculty.sustech.edu.cn/tanhs/en/
Department of Mechanics and Aerospace	Minping Wan	master_s_degree	Mechanics	Turbulence theory and simulation; Wind Energy; Geophysical and enviromental	https://faculty.sustech.edu.cn/wanmp/en/
Department of Mechanics and Aerospace Engineering	Lian-Ping Wang	master_s_degree	Mechanics	Theory, implementation, and applications of Boltzmann-equation based CFD methods, Simulations and physics of turbulent multiphase flows, high-performance	https://faculty.sustech.edu.cn/wanglp/en/
Department of Mechanics and Aerospace	Wei Hong	master_s_degree	Mechanics	Mechanics of Soft Materials	https://faculty.sustech.edu.cn/hongw/en/
Department of Mechanics and Aerospace	Xin Zhang	master_s_degree	Mechanics	Solid mechanics, impact dynamics, mechanics of composite materials	https://faculty.sustech.edu.cn/zhangx8/en/
Department of Mechanics and Aerospace	Peng YU	master_s_degree	Mechanics	Complex Fluid Flow	https://faculty.sustech.edu.cn/yup6/en/
Department of Mechanics and Aerospace Engineering	Lei Wu	master_s_degree	Mechanics	rarefied gas dynamics; atmospheric reentry; Mars landing; multiscale plasma simulation	https://scholar.google.com/citations?user=xGlG_OcAAAAJ&hl=zh-CN
Department of Mechanics and Aerospace Engineering	Bo Zhou	master_s_degree	Mechanics	Turbulent reacting flow, Laser diagnostics	https://faculty.sustech.edu.cn/?tagid=zhoub3&iscss=1&snapid=1&orderby=date&go=2&lang=en
Department of Computer Science and Engineering	Fengwei Zhang	master_s_degree	Computer Science and Technology	Systems Security, Trusted Execution Environments	https://fengweiz.github.io/
Department of Computer Science and Engineering	Georgios Theodoropoulos	master_s_degree	Computer Science and Technology	Big data, cloud computing, multi-agent distributed modeling, digital twin	https://www.gtheodoropoulos.com/
Department of Computer Science and Engineering	Pietro Simone Oliveto	master_s_degree	Computer Science and Technology	Theory of randomised search heuristics, theory of AI, theory of computational	https://peteroliveto.github.io/
Institute of Advanced Biotechnology, School of Medicine	Jiankang ZHU	master_s_degree	Biology	1) Developing innovative gene editing technologies 2) CRISPR-based cell and gene therapies 3) Epigenetic gene regulation, cancer treatment and anti-aging	https://iab.sustech.edu.cn/Research-details-pid-6-typeid-2.html
Institute of Advanced Biotechnology, School of Medicine	Pengcheng WANG	master_s_degree	Biology	(1) Development and application of proteomics methods (2) Perception and signal transduction of osmotic stress (3) Genetic strategies for improving crop yield and adaptability to adversity	https://iab.sustech.edu.cn/Research-details-pid-41-typeid-2.html
Institute of Advanced Biotechnology, School of Medicine	Zhaobo LANG	master_s_degree	Biology	(1) Optimization of new gene editing tools (2) Molecular Mechanism Study and Aging Intervention Techniques of Plant DNA Methylation "Life Clock"	https://iab.sustech.edu.cn/Research-details-pid-35-typeid-2.html
Institute of Advanced Biotechnology, School of Medicine	Pengpeng Liu	master_s_degree	Biology	(1) AI-based Protein designing and engineering, including Cell-free based iterated direct evolution and high thorough-put screening in vitro (2) Development of novel and effective in vivo delivery methods for gene and cell therapy (3) Development more sensitive in vitro and in vivo Off-targeting detection methods for clinical gene therapy	https://iab.sustech.edu.cn/Research-details-pid-53.html
School of Microelectronics	Yi Li	master_s_degree	Integrated Circuits Science and	DNA data storage, Physical unclonable devices, Inverse lithography	https://faculty.sustech.edu.cn/?tagid=liy37
School of Microelectronics	Xiaoguang Liu	master_s_degree	Integrated Circuits Science and Engineering	Radio-frequency integrated circuit design; Analog integrated circuit design; Microwave components and antenna design; Optical imaging systems.	https://www.sustech.edu.cn/en/faculties/liuxiaoguang.html
School of Microelectronics	Longyang Lin	master_s_degree	Integrated Circuits Science and Engineering	Ultra-low power digital circuit design; Energy-efficient AI processor design; Cryogenic digital integrated circuit design.	https://faculty.sustech.edu.cn/?tagid=linly&iscss=1&snapid=1&orderby=date&go=2
School of Microelectronics	Zhongrui Wang	master_s_degree	Computer Science and Technology	Embodied AI; Computing system for edge AI.	https://web.ial-cvmi.com/
School of Microelectronics	Min Wang	master_s_degree	Integrated Circuits Science and Engineering	MEMS, micro/nano fabrication, physical sensors	https://faculty.sustech.edu.cn/?tagid=wangm&iscss=1&snapid=1&orderby=date&go=2&lang=en
School of Design	Seungwoo JE	master_s_degree	Computer Science and Technology	Human-Computer Interaction, VR/AR, Haptics	https://immersivedesignresearch.com/seungwoo
School of Design	Xueliang Li	master_s_degree	Mechanics	Human-computer Interaction; Human-robot Interaction; design for mental wellbeing	https://www.hci-xgroup.com
School of Design	Xueliang Li	master_s_degree	Computer Science and Technology	Human-computer Interaction; Human-robot Interaction; design for mental wellbeing	https://www.hci-xgroup.com
School of Design	Tao LUO	master_s_degree	Computer Science and Technology	Design Modeling Language of Human-Computer Interactive Technology, Interaction Design in AR/VR, AI & Interaction Design	www.ixdlanguage.org https://designschool.sustech.edu.cn/cn/about/our-team
School of Design	Pengcheng An	master_s_degree	Computer Science and Technology	Human-Computer Interaction, Human-AI Interaction, Human-Robot Interaction, Educational Technology	https://anpengcheng.cn
School of Design	Xiaohua Sun	master_s_degree	Intelligent Manufacturing and Robotics	Robot learning and human-robot interaction, autonomous driving and human-vehicle interaction, smart health and wellness, information visualization and visual	https://designschool.sustech.edu.cn/cn/about/our-team
School of Design	Xiaohua Sun	master_s_degree	Computer Science and Technology	Robot learning and human-robot interaction, autonomous driving and human-vehicle interaction, smart health and wellness, information visualization and visual	https://designschool.sustech.edu.cn/cn/about/our-team
School of Design	Christiane Herr	master_s_degree	Intelligent Manufacturing and Robotics	Architectural technology, robotically enhanced space, drone-building interfaces, building integrated vertiports, robot-plant interfaces, AI for biophilic design,	https://designschool.sustech.edu.cn/about/our-team

SUSTech 2027 Doctoral& Master's Programs in English for International Students

Schools/ Departments 招生院系	Name of Supervisor 导师姓名	Program (Docrotal/ Master's)	Major 招生学科	Research Area(s) 研究方向	Supervisor's Webpage 个人主页
School of Design	ZORDAN, MIRNA	master_s_degree	Intelligent Manufacturing and Robotics	Human-Environment Interactions, computational architecture, digital design, bio-sensing technologies	https://www.fsv-lab.com/
School of Design	Liang Hao	master_s_degree	Intelligent Manufacturing and Robotics	Additive Manufacturing and Innovative Design	https://designschool.sustech.edu.cn/cn/about/our-team
School of Design	Liang Hao	master_s_degree	Computer Science and Technology	AI, Intelligent Additive Manufacturing and Intelligent Design	https://designschool.sustech.edu.cn/cn/about/our-team
School of Automation and Intelligent Manufacturing	Jian Chen	master_s_degree	Control Science and Engineering	Robot Perception & Control; Fuel Cell System Control; Hydrogen–Electric Hybrid Powertrain Control; Vehicle Control & Intelligence; Nonlinear Control	https://www.sustech.edu.cn/en/faculties/jianchen.html
School of Automation and Intelligent	Zhaoyuan Ma	master_s_degree	Control Science and Engineering	Intelligent Manufacturing, Embodied Intelligence, Human-Computer Interaction	https://www.sustech.edu.cn/zh/faculties/zhaoyuanma.html
School of Automation and Intelligent Manufacturing	Yuan Chen	master_s_degree	Control Science and Engineering	(1) Mechanism analysis, multiscale and damage modelling for composites (2) Topology optimisation and multifunctional design of composite structures (3) Design, fabrication and application of innovative metacomposites (4) Intelligent manufacturing, experimental characterization and health monitoring of composite structures (5) Applications of composite materials in new energy, aerospace, medical devices,	https://faculty.sustech.edu.cn/chenyuan/
School of Automation and Intelligent Manufacturing	Yi Xiong	master_s_degree	Control Science and Engineering	Monitoring and control of manufacturing processes, Robotic assembly	https://faculty.sustech.edu.cn/?tagid=xiongy3&iscss=1&snapid=1&orderby=date&go=2&lang=en
School of Automation and Intelligent	Liangming Chen	master_s_degree	Control Science and Engineering	Artificial Intelligence and Robotics	https://faculty.sustech.edu.cn/chenlm6
School of Automation and Intelligent Manufacturing	Bohao Zhu	master_s_degree	Control Science and Engineering	Positive systems, Multi-agent systems, Nonlinear Control, Robotic manipulator, UAV, Surgical Robotics.	https://www.sustech.edu.cn/en/faculties/bohaozhu.html
Department of Ocean Science and Engineering	Jianfei Chen	master_s_degree	Mechanics	Ocean Engineering, Civil Engineering, Structural Engineering, FRP, Floating Structures, Finite Element Method, Discrete Element Method, Granular Solids, High	https://ocean.sustech.edu.cn/views/Teacher_information.html?id=183
Department of Ocean Science and Engineering	Song He	master_s_degree	Biology	Coral Reef Ecology, Genetics, and Evolution	N/A
Department of Ocean Science and Engineering	Youping Zhou	master_s_degree	Biology	Isotopomics	
Department of Ocean Science and Engineering	Youping Zhou	master_s_degree	Chemistry	Isotopomics	
Ocean Science and Engineering	Mengwei Liu	master_s_degree	Mechanics	Energy geotechnics; geotechnical engineering; computer science; GIS.	https://www.sustech.edu.cn/en/faculties/liumengwei.html