Department	(Faculty) Name	Email	Speciality	Preferred student background	Student comes for (degree)	Note
PME	Cheng-Hsien Liu	liuch@pme.nthu.edu.tw	MicroElectroMechanical Systems, System Control, Lab on Chip/Microfluidic Lab Chip/BioMEMS	Mechanical Engineering, Biology/or BioEngineering, Electrical Engineering, Chemistry	Master, PhD	Research: http://mx.nthu.edu.tw/~chhsliu/research_main.html
	Yu-Bin Chen	ybchen@pme.nthu.edu.tw	Electromagnetism Heat transfer Infrared sensing Micro-/Nano-scale fabrication Nanophotonics and optics Thermal radiation	Electrical Engineering Materials science Mechanical engineering Optics Physics	Master PhD Postdoctoral	
	Kuo-Ning Chiang	knchiang@pme.nthu.edu.tw	Computational Mechanics, Design and Reliability Assessment, Electronic Packaging Technology, Nano-Micro Mechanics	Mechanical Engineering, Mechanics Related Dept.	Master. PhD. Postdoctoral	
	Mingsian Bai	msbai@pme.nthu.edu.tw	Acoustics, audio signal processing, telecom acoustic signal processing, acoustic array systems, eletroacoustic transducers	Physics、mechanical engineering、electrical engineering	Master. PhD., Postdoctoral	Theoretical, numerical, experimental work will be involved
	Gwo-Bin Lee	gwobin@pme.nthu.edu.tw	Microfluidics, Biosensors, Medical device for fast diagnosis, Microsensors	Biology, mechanical engineering, physics	PhD	Research topic: Biosensing
	Chao-An Lin	calin@pme.nthu.edu.tw	Computational Fluid dynamics, turbulence, fluid and structure interaction, parallel computing, numerical method	mechanical engineering, applied mathematics	Internship. Master. PhD. Postdoctoral	
	Weileun Fang	fang@pme.nthu.edu.tw	MEMS, micro sensors, micro actuators, micro systems, micro fabrication, thin film process and test	Mech. Eng., Elec. Eng., Physics, Materials Sci.	Master, PhD, Post-doc	
	Jen-Yuan (James) CHANG	jychang@pme.nthu.edu.tw	Mechatronics, Intelligent Machines (including 3DP) Robotics, VR/AR and Assistive Devices Vibrations and Dynamics Control	Mechanical Engineering, Electrical Engineer, Software Engineering	Master and Ph.D.	
	Chihchen Chen	chihchen@mx.nthu.edu.tw	bioMEMS, microfluidics, extracellular vesicles	engineering, biology	master's, PhD., postdoctoral	
	Yu-Ching Lee	yclee@ie.nthu.edu.tw	mathematical optimization, equilibrium, optimization in data science	mathematics, operations research	Internship, Master, PhD, Postdoc	Research topic: mathematical optimization
	James C. Chen	james@ie.nthu.edu.tw	Lean Production, Operations Management	IE	Master	Lean Production, Operations Management

IEEM	D. Daniel Sheu	dsheu@ie.nthu.edu.tw	Innovation Methods/Systematic Innovation/TRIZ; Patent Technical Analysis; Innovation Management; Factory Diagnostics	Any fields in Engineering or Science. Interested in Innovation Methods	MS. Ph.D.	Student with excellent logics and programming capabilities are preffered.
	Kuo-Hao Chang	chang@mx.nthu.edu.tw	Simulation, Stochastic Optimization, Applied Statistics, Applications in Manufacturing, Energy etc	Mathematics, Statistics, Industrial Engineering,	Ph.D. or Postdocoral	Research topic: Stochastic Optimization and its applications in manufacturing and/or energy
	Ming-Chuan Chiu	mcchiu@ie.nthu.edu.tw	Product Service System, Service Engineering, Service Innovation, Usability Testing	IE	PhD	Product Service System, Service Engineering, Service Innovation, Usability Testing
	Chen-Fu Chien	cfchien@mx.nthu.edu.tw	Big data analytics, Intelligent manufacturing, semiconductor manufacturing, decision analysis.	IE	MS. Ph.D.	
	Yu-Ching Lee	yclee@ie.nthu.edu.tw	mathematical optimization, equilibrium, optimization in data science	mathematics, operations research	Internship, Master, PhD, Postdoc	Research topic: mathematical optimization
	Zong-Hong Lin	linzh@mx.nthu.edu.tw	Nanomaterials, bio/chemical sensors, self-powered sensors, diagnosis devices, wearable electronics	Physics, chemistry, mechanical engineering, biology, materials science	:Internship, Master, Ph. D.	Research topics: nanomaterials, bio/chemical sensors, self-powered sensors, diagnosis devices, wearable electronics
BME	Dehui Wan	dhwan@mx.nthu.edu.tw	functional metal/dielectric nanomaterials, optical engineering, bio/chemical sensing	chemistry, biology, material science, chemical/biomedical engineering	Master. PhD	design and application of multifunctional nanomaterials
	Zong-Hong Lin	linzh@mx.nthu.edu.tw	Nanomaterials, bio/chemical sensors, self-powered sensors, diagnosis devices, wearable electronics	Physics, chemistry, mechanical engineering, biology, materials science	:Internship, Master, Ph. D.	Research topics: nanomaterials, bio/chemical sensors, self-powered sensors, diagnosis devices, wearable electronics

	Yunching Chen	yunching@mx.nthu.edu.tw	Drug delivery, gene therapy, cancer biology	biology, chemistry, materials science	Master. PhD.	Cancer Nanotechnology
MSE	Chih-Huang Lai	chlai@mx.nthu.edu.tw	spintronics devices, magnetic materilas, thin film solar cells	materials, physics, chemical engineering, EE	master, Ph.D., postdoctoral	strong connection with high-Tec industry in Taiwan
	Tzu-Wei Wang	twwang@mx.nthu.edu.tw	biomaterials, tissue engineering, drug delivery, nanomedicine	Chemical engineering, Chemistry, Life science	Ph.D., Postdoctoral	smart functionalized biomaterials
	Yu-Lun Chueh	ylchueh@mx.nthu.edu.tw	Nanomterials, Energy harvesting, ReRAM, 2D materials, Solar Cell	Physics、materials science、Electric Engineering	Master. PhD. Postdoctoral	More details, please refer our website:http://nanoscienceandnanodevicelab.weebly.com/index.html
	Shou-Yi Chang	changsy@mx.nthu.edu.tw	Nanomechanical behavior of materials	Materials science	Ph.D.	Nanomechanical behavior of materials
	J. Jou (Joe)	jjou@mx.nthu.edu.tw	OLED, High efficiency OLED, Long lifetime OLED, Sunlight and candlelight style OLED, Blue hazard free lighting, Expert system applications, Polymer, and Thin film stress analysis	Chemistry, physics, mechanical/chemical/material/optical engineering	Master, PhD and/or Postdoctoral	Candlelight/sunlight /natural light-style OLED, High efficiency/long lifetime/human & ecologically friendly lighting, good light for displays and lighting, plane type solvent premixing deposition system etc.
	Hsueh-Shih Chen	chenhs@mx.nthu.edu.tw	Quantum dots and bio-environmental materials	Materials science, Chemistry, Biology...etc.	PhD	(1) Bio-environmental materials or (2) quantum dot applications
	Heh-Nan Lin	hnlin@mx.nthu.edu.tw	nanomaterials, nanosensor, photocatalysis	materials science, chemistry, physics	Master, Ph.D.	
	Sinn-wen Chen	swchen@mx.nthu.edu.tw	Materials thermodynamics; Thermoelectrics; Electronic soldering	Chemical Engineering; Materials Science	Ph.D.	
	Yu-Chen Hu	yuchen@che.nthu.edu.tw	Gene therapy, tissue engineering, metabolic engineering, gene editing	biology, chemical engineering, life science, chemistry	Master, PhD	Research topic: tissue engineering, gene therapy

CHE	Shih-Yuan Lu	sylu@mx.nthu.edu.tw	Nanomaterials and nanostructures with applications in electrolytic water splitting for hydrogen generation, supercapacitors, lithium ion capacitors, photocatalysis, etc.	chemical engineering, chemistry, materials science and engineering	Internship. Master. PhD. Postdoctoral	
	Hsing-Wen Sung	hwsung@mx.nthu.edu.tw	Biomaterials; Drug/Gene Delivery; Tissue Engineering; Nanomedicine	Chemistry; Biology; Chemical Engineering; Materials Science; BME	Master; PhD; Postdoc	
	Tzu-Chien Wei	tcwei@mx.nthu.edu.tw	Surface treatment and metallization Dye-sensitized solar cell Perovskite solar cell	Chemistry, Chemical Engineering, Material science	Intership, Master, PhD, Postdotoral	
	Ho-Hsiu Chou	hhchou@mx.nthu.edu.tw	Organic and Polymer Synthesis, Nanotechnoloty, Optoelectronics, Electronic Skin	Chemical Engineering, Chemistry, Material Science, Physics, Electric Enegineering	Internship. Master. PhD. Postdoctoral	Research Topic: Green Energy Device, Soft Optoelectronics, Wearable Devices
NEMS	Da-Jeng Yao	djyao@mx.nthu.edu.tw	Intelligent gas sensing system, Microfluidic system, Fertilization on a chip, THz applications	Physics, Mechanical engineering, Biotechnology	Internship. Master. PhD. Postdoctoral	
	Sheng-Shian Li	ssli@mx.nthu.edu.tw	Resonant MEMS, RF MEMS, Micro Sensors and Actuators	Mechanical Engineering, Electrical Engineering	Master, Ph.D., and Postdoctoral	Research topic: RF MEMS and Physical Sensors
	Cheng-Yao Lo	chengyao@mx.nthu.edu.tw	Optoelectronics	Electrical Engineering, Material Science, Mechanical Engineering, Physics	Master, PhD, Intern	Optical MEMS and Strain Sensor
	J. Andrew Yeh	jayeh@mx.nthu.edu.tw	1.Sub-ppm InN Sensor 2.Nanostructure in Bulk 3.Optofluidics	http://140.114.67.69/index_en.php	Master, PhD	
	Wei-Chih Wang	wangwc@mx.nthu.edu.tw	1.Polymer based MEMS and MOEM 2.Polymeric integrated photonic and fiber optic sensors for industrial and biomedical application 3.Diamagnetic levitating sensor and actuator design 4.Electroactive or magnetoactive polymers study and application 5.On-demand structure-property modification polymers - Cellulose nanocrystal composite thin film and nanofiber study and application - Wearable sensors and actuators - THz metamaterial study and application - Amorphous and metamorphous photonic and RF device design and application	http://nems.web.nthu.edu.tw/ezfiles/156/	Master, PhD, Intern	
	Chien-Chung Fu	ccfu@mx.nthu.edu.tw	1.UV_LIGA 2.Laser interference lithography	http://mx.nthu.edu.tw/~ccfu/	Master, PhD, Intern	

	Yu-Lin Wang	ylwang@mx.nthu.edu.tw	1.Biomedical Sensors 2.Gas Sensors 3.Nanotechnology	http://wang.nems.nthu.edu.tw/	Master, PhD, Intern	
	Zung-Hang Wei	wei@pme.nthu.edu.tw	1. Design & Manufacturing of Precision Instrumentations 2. MEMS/NEMS and Smart Nanostructures 3. Magnetic Sensors and Spintronic Devices 4. Nano Heat Transfer and Thermal-Electric Device for Power Generation 5. Biosensors and Bio-manipulation 6. Cells Patterning / Tissues Engineering 7. Hyperthermia by Magnetic Nanoparticles 8. Microfludics and Lab on a Chip	Physics、Chemstry、mechanical engineering、biology、materials science	Internship. Master. PhD. Postdoctoral	
	Cheng-Hsien Liu	liuch@pme.nthu.edu.tw	MicroElectroMechanical Systems, System Control, Lab on Chip/Microfluidic Lab Chip/BioMEMS	Biology/or BioEngineering, Mechanical E	Master, PhD	Research: http://mx.nthu.edu.tw/~chhsliu/research_main.html
	Chihchen Chen	chihchen@mx.nthu.edu.tw	bioMEMS, microfluidics, extracellular vesicles	engineering, biology	master's, PhD., postdoctoral	