

1. Guide to Attending

Purposes	In order to promote the cooperation between NKUST and Sister's Universities as well as creating a platform to implement academic exchange activities for the teachers. The purpose of this program is to connect the teachers who are teaching and researching in the related fields of engineering. This program is conducted based on the framework of education cooperation between NKUST and Partners Universities in Vietnam and Indonesia.
Organization	National Kaohsiung University of Science and Technology (NKUST)
Date	September 7,2020 to September 12,2020
Program Schedule	As below
Place	National Kaohsiung University of Science and Technology (Jiangong campus) Address: 415 Jiangong road, Sanmin district, Kaohsiung city 80778
Languages	English
Number of Participant Eligibility:	10 Vietnamese or Indonesian Colleges and Universities faculties who are teaching and researching in the fields of Mechanical Engineering, Automation and Mechatronic Engineering, Mold & Die Engineering, Chemical Engineering, Material Engineering, Environmental Engineering, Safety and Health in Engineering, Civil and Construction Engineering, Industrial Engineering and Management, Industrial Design...
Program Fee (paid by participant)	Round trip air ticket and Visa application fee
Program fee (paid by NKUST)	The cost of local transportation, accommodation, meals (exclude breakfast), insurance fee.
Registration	1. Application Deadline: July 1, 2020 If applications are oversubscribed before this deadline, NKUST will stop accepting applications without further notice.
Registration fee	2. Notification and invitation letter send out: Before Mid-August , 2020 1. Free registration fee 2. Candidates who are interested in studying at NKUST in the near future will primarily be selected.
Accommodation	Guest house and hotel
How to apply	Online Registration (for all) https://forms.gle/H9Qi1nnMfXRr qw1AA ★ Required documents for application: 1.Nomination letter of your current work Universities/ Colleges 2.A short introduction of your research fields or Academic curriculum vitae 3.A copy of the first two pages of the passport
Visa Information	When you are accepted to attend this program, we will send an invitation letter to your home/university. All the accepted participants are advised to obtain a visa by themselves or are suggested to ask from the office of international affairs of your university for the assistant

Kindly Reminder ※During the event, participants will have the responsibility to keep the assets of NKUST. If any asset was damaged, the compensation will be requested in accordance with the regulations of NKUST.

Contact information Office of International Affair (Jiangong campus)
Address: 415 Jiangong road, Sanmin district, Kaohsiung city
80778 Website: oia.nkust.edu.tw
Tel: +886-7-3814526 ext. 19014
Contact person:
For Vietnamese teachers please contact:
Ms Hoang Sa Dang, email: hoangsa@nkust.edu.tw
For Indonesia teachers please contact:
Ms YiHsin, , email: a0995870@nkust.edu.tw

2. Program Schedule

Date/time	8:00-12:00	13:30-17:30	18:30~	Note
Sep 7 th Mon	Arrivals (pick up and check in)			
Sep 8 th Tue	Opening Ceremony <ul style="list-style-type: none"> ● Greeting of NKUST ● Introduction of departments ● Speech of delegations 	Keynote Speakers Group discussions <ol style="list-style-type: none"> 1. Group of Mechanical engineering, Mold and Die engineering, Mechatronics engineering 2. Group of Chemical and Materials engineering, Safety, Health and Environment engineering 3. Group of Civil engineering, Construction engineering 4. Others 	Dinner	
Sep 9 th Wed	Visit College of Engineering (Jiangong Campus)	Visit research Lab and discuss research cooperation	Dinner	
Sep 10 th Thu	Visit College of Engineering (First Campus) Visit research Lab and discuss research cooperation	Campus Tour (Nanzi Campus)	Dinner	
Sep 11 th Sat	Off-campus(One day trip in Kaohsiung)		Dinner	
Sep 12 th Sun	Back to home			

3. Introduction of Keynote Speakers

Section 1: Mold & Die Engineering, Mechanical Engineering, Automation and Mechatronic Engineering

Dr. Yu, Jyh-Cheng 余志成

Professor, Department of Mechatronic Engineering

Education Background:

Ph.D., Dept. of Mechanical Engineering, The Ohio State University,

USA M.S., Dept. of Mechanical Engineering, The Ohio State

University, USA B.S., Dept. of Mechanical Engineering, National

Taiwan University, ROC

Laboratory: Concurrent Engineering Design Laboratory, Microsystem
Fabrication Laboratory

Research fields: Design and fabrication of microsensor, Design of light
guide, Domestic robot, Robust Optimization, Concurrent Engineering
Design

Email: jcyu@nkust.edu.tw

Section 2: Chemical Engineering, Material Engineering, Environmental Engineering, Safety and Health in Engineering

Dr. Yung-Chung Chen 陳永忠

Associate Professor, Department of Chemical and Materials Engineering

Research fields: Organic materials synthesis, Organic electronics materials
(OLED, DSSC, OPV, PSC), Organic photoinitiators, High performance
polymers

Email:

chenyc@nkust.edu.tw

[chenyc@cc.kuas.edu.](mailto:chenyc@cc.kuas.edu.tw)

tw

Section 3: Civil and Construction Engineering

Dr. Benson Hsiung PhD CEng MICE 熊彬成

Professor, Department of Civil Engineering

Education Background: PhD, University of Bristol, UK

MSc, University of Illinois, Urbana- Champaign, USA

Research Areas: Properties and behavior of soil, Underground tunnel and
slope stability, Foundation and deep excavation engineering, Engineering
law and contract management.

Email: benson@nkust.edu.tw

4. List of Participants and Research Partners Finding Information of NKUST

4.1 Section 1: Mold & Die Engineering, Mechanical Engineering, Automation and Mechatronic Engineering

Dr. Chih Yuan Chang 張致遠

Associate Professor, Department of Mold
and Die Engineering
Laboratory: Optoelectronic Device
and Precision Manufacturing
Laboratory Email:
cychang@nkust.edu.tw
Research Fields:

Finding research partners background in
Mechanical, Mold and Die, or
Mechatronics Ph.D. Student Preferred

Dr. Albert Wen-Jeng Hsue 許文政

Associate Professor, Department of
Mold and Die Engineering :
Email: albert.hsue@nkust.edu.tw
Research Fields:
Automation, smart manufacturing, or
specialized nontraditional machining
processes

Finding research partners interested at the
fields of automation, smart manufacturing,
specialized nontraditional machining
processes, etc.
Ph.D. Student Preferred
TOEIC grade ≥ 700 , or equivalent
English capability

Dr. Yu, Jyh-Cheng 余志成

Professor, Department of
Mechatronic Engineering
Email: jcyu@nkust.edu.tw
Laboratory: Concurrent Engineering
Design Laboratory, Microsystem
Fabrication Laboratory
Research fields:
Design and fabrication of microsensor,
Design of light guide, Domestic robot,
Robust Optimization, Concurrent
Engineering Design

Finding partners:
Master degree in Mechanical, Mechatronics,
and Automation areas
Research Area:
1. Quality engineering using
evolutionary optimization
2. Optical design and application
of light guide
3. Intelligent service robots
4. Concurrent engineering

Dr. Li, Chen-Jung 李振榮

Associate Professor,
Department of Mechatronic
Engineering
Email: cjli@nkust.edu.tw
Laboratory: Precision and Micro
Manufacturing Technology Laboratory
Research Interests:
CNC Machining Processes and
Control, Industrial Robots,
Automation Technology, Design and
Fabrication of Microsystems
Website:
<http://www2.nkust.edu.tw/~cjli>

Finding Partners
BACKGROUND REQUIRED:
1. Master degree in Mechanical and
Mechatronics related areas
2. TOEIC above 750 or equivalent
English proficiency certificate
Research Area:
1. CNC machining processes, monitoring,
and control
2. Applications and control of industrial robots

Dr. Kuo, Wen-Cheng 郭文正

Associate Professor,
Department of Mechatronic
Engineering
Email:

rkuo@nkust.edu.tw

Research Interests:

- Micro-Electro-Mechanical System (MEMS)
- Micro-fabrication
- Screw rotors design and fabrication
- Research and development of parylene deposition technologies
- Bio-implantable systems

Dr. Te-Hua Fang 方得華

Professor, Department of
Mechanical Engineering
Email: fang@nkust.edu.tw
Laboratory: Nanotechnology Lab.
Research fields: Nano Manufacturing 、
Solar cells and optoelectronic sensing
element 、 Molecular Dynamics.

Personal work webpage :

<https://scholar.google.co.uk/citations?user=XhuUhgoAAAAJ&hl=en>

Dr. Hua-Chih Huang 黃華志

Assistant Professor, Department of
Mechanical Engineering
Email:

HC.Huang@nkust.edu.tw
Huang.HuaChih@gmail.com

Laboratory: Precision machine tools
laboratory Research fields:

Finding Partners

1. Master degree in Mechanical, Mechatronics, and Automation areas
2. TOEIC above 750 or equivalent English proficiency certificate

Research Area:

1. MEMS/sensors and actuators
2. Microfabrication
3. Semiconductor application
4. Biomedical device

Finding partners:

Ph.D. Student Preferred

Finding partners

Ph.D. Student Preferred

Interested in the fields of:

- Machine Tool Design,
- Fluid Film/Hydrostatic Bearing Design,
- Engineering Optimization Algorithm/program Coding,
- Automotive Mechanism Synthesis Design, - Energy-Saving Green Design,
- ANSYS structural stress/strain analysis,
- Machine Thermal deformation Analysis,
- CNC Milling Process/Metal Cutting and Vibration Analysis.

Dr. Tsung-Chieh Cheng 鄭宗杰

Professor, Department of
Mechanical Engineering
Email: tchengme@nkust.edu.tw

Laboratory: Micro/Nano Structure and
Devices Laboratory

Research Fields:
Micro-Nano Materials Analysis, Field
emission device design and
fabrication、Semiconductor,
Thermoelectric element
analysis and production,
Microelectronics Cooling.

Finding partners
Ph.D. Student Preferred
Interested at the fields of Surface treatment,
Solar tracking system and solar energy,
Micro/Nano technology processes, etc.

Dr. Da-Chen Pang 龐大成

Professor, Department of
Mechanical Engineering
Email: pang@nkust.edu.tw

Laboratory: Magnetic MEMS

Laboratory Research Fields:
Mechatronics for Production &
Inspection, Microelectromechanical
systems, Solid Mechanics, Electric
Machinery.

Finding partners Interested in the
following Optoelectronics and Control
fields:

1. Microelectromechanical Systems (MEMS), LIGA-like Fabrication Process, Micro Punching
2. Microsensor, Capacitive Micromachined Ultrasonic Transducer (CMUT), Eddy Current Sensor
3. Micromotor, Switched Reluctance Motor, Permanent Magnet Synchronous Motor
4. Mechatronics, Magnetic Bearing, Magnetic Suspension System.

4.2 Section 2: Chemical Engineering, Material Engineering, Environmental Engineering, Safety and Health in Engineering

Dr. Yung-Chung Chen 陳永忠

Associate Professor, Department of
Chemical and Materials Engineering
Email:

chenyc@nkust.edu.tw
chenyc@cc.kuas.edu.tw

Research fields: Organic materials
synthesis, Organic electronics
materials (OLED, DSSC, OPV, PSC),
Organic photoinitiators, High
performance polymers

Finding partners
Ph.D. Student Preferred
1. Chemical, Chemistry or Materials
related background.
2. Familiar with organic optoelectronic
materials

Dr. Chao-Wei Huang 黃朝偉

Assistant Professor, Department of
Chemical and Materials Engineering
Email: huangcw@nkust.edu.tw
Research fields: Catalyst
(Photocatalyst ; SCR Catalyst),
Thin film analysis, Solar cell,
Semiconductor process

Finding Partner

1. Chemical, Chemistry or Materials related background.
2. TOEIC grade ≥ 750 .
3. Open-minded, motivated and able to work in team.
4. With the fundamental knowledge in catalysis and photocatalysis, including catalytic engineering, preparation and characterization of catalysts (TiO₂, perovskite oxide, Metal-organic frameworks).

Dr. Hsiu-Wen Chien 簡秀紋

Assistant Professor, Department of
Chemical and Materials Engineering
Email: hsiu-wen.chien@nkust.edu.tw

Research fields:
Catechol chemistry, Surface
modifications Non-fouling materials,
Biomaterials, Hydrogels Website:
<https://scholar.google.com.tw/citations?hl=zh-TW&user=1OhBNycAAAAJ>

Finding Partner

- Ph.D. Student Preferred
1. Students with chemistry related background
 2. TOEFL grade ≥ 85 , or equivalent capability
 3. With experience in organic synthesis is preferred

Dr. Li-Cheng Jheng 鄭力誠

Assistant Professor, Department of
Chemical and Materials Engineering

Email: lcjheng@nkust.edu.tw
Featured laboratory: Functional
Polymers Lab.

Finding Partner

- Ph.D. Student Preferred
1. Students with chemistry or materials related background
 2. Familiar with either membranes or fuel cells

Research fields:

- High-performance polymers,
- Polymer electrolyte membranes for fuel cells,
- Functional polymeric materials

Dr. Chun-Jern Pan 潘俊仁

Assistant Professor, Department of
Chemical and Materials Engineering

Email: ppan@nkust.edu.tw;
pom9106054@gmail.com

Research fields:
Electro-catalysts, Metal-ion
batteries, Synchrotron-based X-
ray spectroscopy

Finding Partner

Ph.D. Student Preferred

1. Students with chemistry or materials related background
2. With Fundamental knowledge in electrochemistry or experience in material synthesis is preferred

Dr. Chen, Shyi-Tien 陳錫添

Associate Professor, Department of
Safety, Health and Environmental
Engineering Email:

shyitien@nkust.edu.tw

Research Fields:

- Soil Remediation
- Molecular biotechnology
- Planning and design for wastewater treatment plants
- Anaerobic biotechnology
- Biological toxicology
- Statistics analysis

Finding partner

Graduated in Science and Engineering related fields with following abilities:

- (1) Reading/writing a journal article
- (2) Scheduling your own experiments
- (3) Presenting your own work
- (4) Experiencing in study fields on soil remediation, oxidation reaction, and wastewater treatment.

Dr. Mengshan Lee 李孟珊

Assistant Professor, Department of
Safety, Health and Environmental
Engineering Email:

mlee@nkust.edu.tw

Research Fields:

- Environmental Planning and Management
- Environmental Impact Assessment (Life Cycle Assessment)
- Best Management Practices for Water
- Reclamation and Water-use Efficiency
- Resource Conservation and Recycling
- Water-Energy Nexus

Finding partner

This position is open to prospective students with background in Environmental Engineering, Environmental Science or Geoinformatics Engineering, particularly for ones who are familiar with the fundamental knowledge of life cycle assessment, spatial analysis (remote sensing) or optimization techniques.

Dr. Yi-Li Lin 林怡利

Assistant Professor, Department of
Safety, Health and Environmental
Engineering Email:

yililin@nkust.edu.tw

Research Fields:

- Emergency Response of Chemical Incidents
- Industrial Safety
- Environmental Analysis

Finding partner: Ph.D. Student Preferred
Graduated in Science and Engineering
related fields with following abilities:

- (1) Reading/writing a journal article
- (2) Scheduling your own experiments
- (3) Presenting your own work
- (4) Experiencing in study fields on water treatment, membrane fabrication and modification, and biowaste torrefaction.

4.3 Section 3: Civil and Construction Engineering

Dr. Kai-Lin Hsu 許鎧麟

Associate Professor, Department of
Construction Engineering
Email: vichsu@nkust.edu.tw

Research fields

Concrete science
Life cycle management
Inspection, rehabilitation of civil
infrastructures

Finding Partners: Ph.D. Student
Preferred Graduated in Science and
Engineering related fields with
following abilities:

- (1) Reading/writing a journal article
- (2) Scheduling your own experiments
- (3) Presenting your own work
- (4) Experiencing in study fields on soil remediation, oxidation reaction, and wastewater treatment.



