



華東理工大學
EAST CHINA UNIVERSITY OF SCIENCE AND TECHNOLOGY

2025

Advanced Innovative Talents Frontier Technology Workshop

INTRODUCTION

The Advanced Innovative Talents Frontier Technology Workshop, themed "New Energy, New Materials, New Life," aims to foster students' future development in areas such as "building disaster-resistant infrastructure, promoting inclusive and sustainable industrialization, and stimulating innovative thinking," as well as forming "sustainable patterns of consumption and production," in line with the United Nations Sustainable Development Goals. It is dedicated to preparing students to tackle key societal issues like energy crises, environmental challenges, and health concerns. It strives to promote a healthy lifestyle, enhance living standards for people of all ages, and pioneer innovative approaches to "new life" models to contribute to a shared future for humanity.

HIGHLIGHT



Elite Talent-Targeted

Postdocs, Ph.D. and Master students



Diverse Content

Frontier Academic Lectures

Field trips to ECUST partners

Chinese language and cultural experience



High-End Resources

Hands-on lab research in Feringa Nobel Scientist Joint Research Center, National research centers, and Key laboratories

Led by academicians and top-level talents

Enjoy 2- to-1 mentorship (one mentor and one senior doctoral student for each participant)



Scholarship Available

International students may apply for full scholarship if eligible.



SUSTAINABLE
DEVELOPMENT
GOALS

CONTENT

● Frontier Academic Lectures

Specific subjects

- Ethylene plant efficiency optimization
- Functional dyes and dye molecule design
- Advanced energy materials and equipment applications
- Photosensitive chemical product stability and applications
- Development of new functional polymers
- Photocatalytic materials for environmental and energy applications

Exposure to lectures by distinguished ECUST scholars at the academician level

In-depth understanding of "New Energy, New Materials, and New Life" topics

A total of 24 hours learning



● National-level Platform and Key Laboratory Research

Participants will be assigned to relevant research platforms or laboratories at our university for immersive study, according to their majors and research interests.

- The Feringa Nobel Scientist Joint Research Center
- 6 National Key Laboratories
- 3 National Engineering (Technology) Research Centers
- 39 Provincial and Ministerial Key Scientific Research Bases

Tailored Immersive Research Experiences

Access to Prestigious Research Centers

Enhanced Research Capabilities

A total research duration of no less than 50 class hours



● Chinese Cultural Experience

Basic Chinese language learning sessions

Cultural experience activities

Weekend visits to Shanghai and its surroundings

Enhanced Chinese Language skills

Enhanced adaptability

A broader appreciation of Chinese traditions and customs



● Field Visits

ECUST's industry partners: Solvay and BASF

Focus on: Chemical new materials, aerospace materials, and integrated circuit materials

Exposure to real-world research and development

Cutting-edge insights

Practical experience with expanded network



APPLICATION

Eligibility

International Postdocs, Ph.D. and Master students holding with valid passports

Duration

3 weeks

Registration

Complete the online registration and submit your application on

<http://apply.ecust.edu.cn>

Scholarship

All the cost of the programme including tuition fee, accommodation are covered by scholarship (travel costs to Shanghai excluded).

Application Deadline

30th April, 2025

TIMETABLE

Time		Morning	Afternoon	
July	5 th , Saturday – 6 th , Sunday	Check in and Register		
	7 th , Monday	Opening Ceremony	Frontier Academic Lecture	
	8 th , Tuesday	Chinese Cultural Experience	Laboratory Research	
	9 th , Wednesday	Frontier Academic Lecture		
	10 th , Thursday	Field Visit		
	11 th , Friday	Chinese Cultural Experience		
	12 th , Saturday	Chinese Cultural Experience		
	13 th , Sunday	Chinese Cultural Experience		
	14 th , Monday	Frontier Academic Lecture	Laboratory Research	
	15 th , Tuesday	Chinese Cultural Experience		
	16 th , Wednesday	Frontier Academic Lecture		
	17 th , Thursday	Field Visit		
	18 th , Friday	Chinese Cultural Experience	Laboratory Research	
	19 th , Saturday	Chinese Cultural Experience		
	20 th , Sunday	Chinese Cultural Experience		
	21 st , Monday	Frontier Academic Lecture		
	22 nd , Tuesday	Chinese Cultural Experience	Laboratory Research	
	23 rd , Wednesday	Frontier Academic Lecture		
	24 th , Thursday	Field Visit		
	25 th , Friday	Graduation Ceremony		
	26 th , Saturday – 27 th , Sunday	Pack Luggage and Check out		

Contact Us:

☎ 0086-21-64253279

🌐 <https://ies.ecust.edu.cn/jmd>

✉ jmd.ecust@gmail.com

