

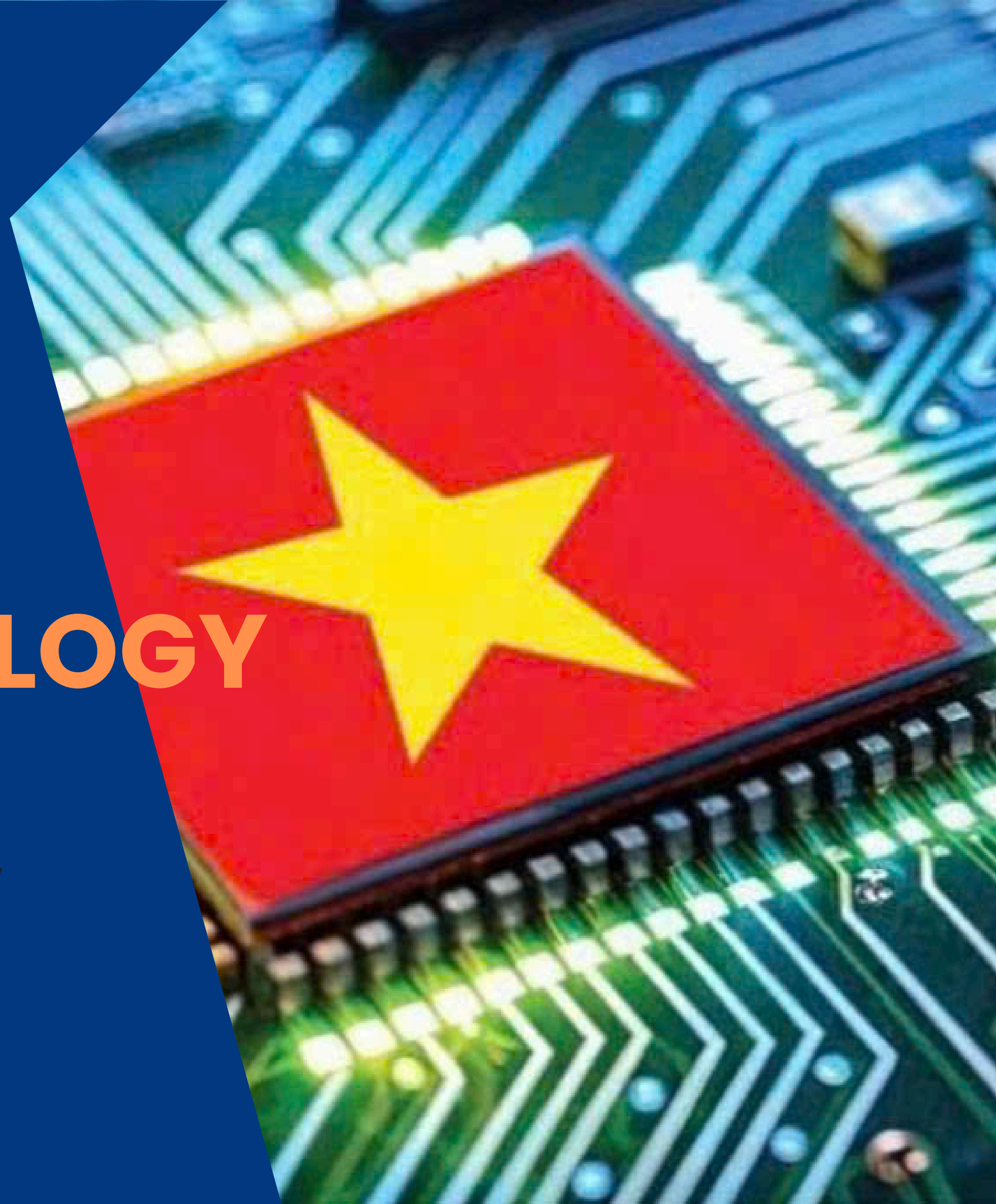


SOUTHEAST ASIAN  
INSTITUTE  
OF ADVANCED TECHNOLOGY

# SOUTHEAST ASIA INSTITUTE FOR ADVANCED TECHNOLOGY

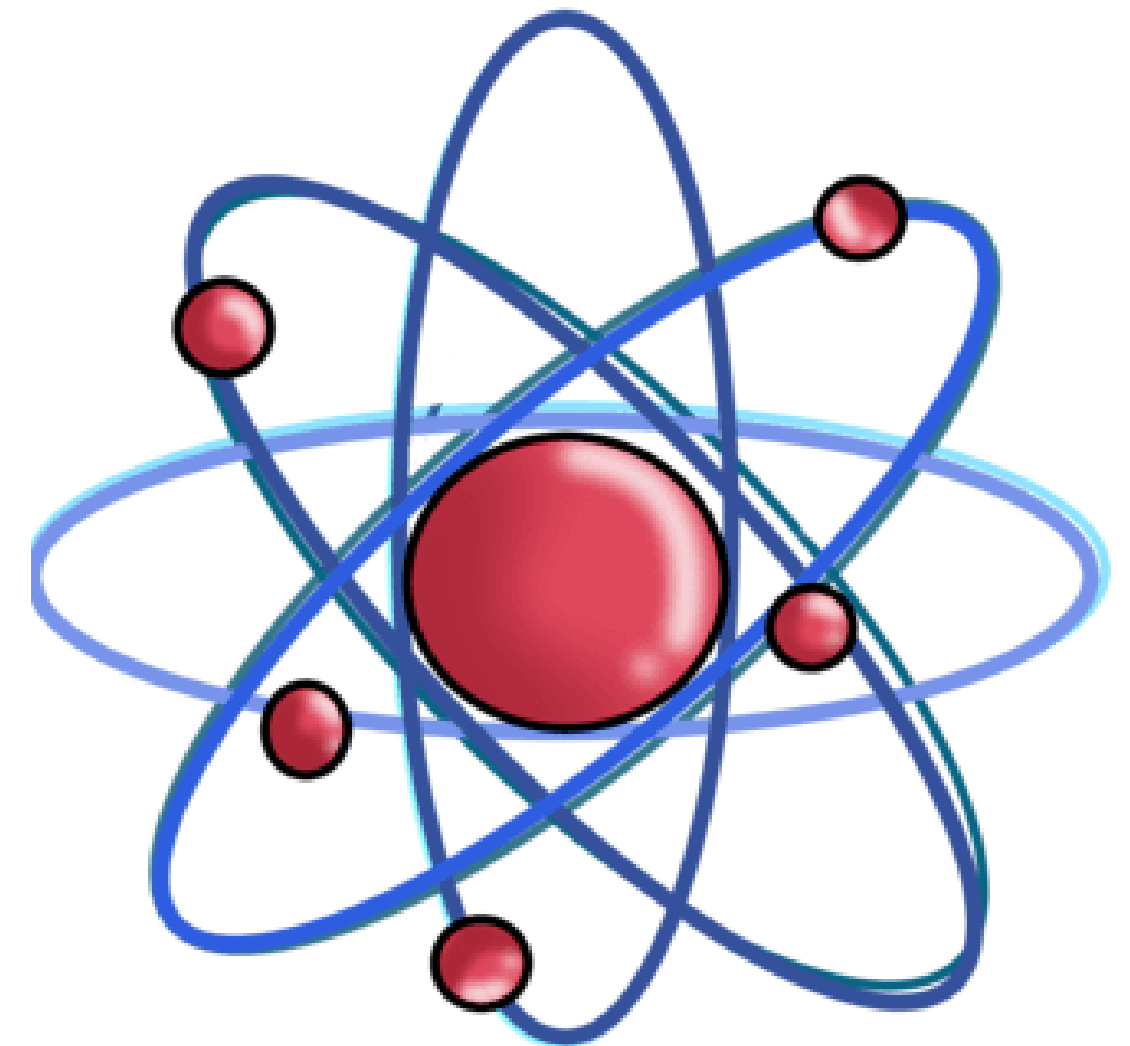
August, 2025

[www.aiat.com.vn](http://www.aiat.com.vn)



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## About us

The Southeast Asia Institute for Advanced Technology (AIAT) is a high-tech research and training organization under the Southeast Asian Research Association of Vietnam (SEARAV). AIAT operates with full legal status, its own seal, and an independent bank account. Formerly known as the Southeast Asia Institute of Information Technology (established in 2002), AIAT was restructured and officially renamed in 2025 to align with global trends in innovation, digital transformation, and high-tech industrial development.

AIAT aims to become a regional center of excellence in key areas such as semiconductors, artificial intelligence, advanced materials, biotechnology, and renewable energy. The institute boasts state-of-the-art infrastructure, a team of international experts, and an extensive network of partnerships with universities, research organizations, and technology enterprises both in Vietnam and abroad.

AIAT currently operates several specialized research and training centers, notably the Semiconductor Training Center and the AIAT R&D Center.

AIAT is committed to playing a pioneering role in developing high-quality human resources, transferring technology, and promoting innovation in Vietnam and the Southeast Asian region.



Prof. Dr. Sci. Nong Duc Ke  
*Director – Southeast Asia  
Institute for Advanced  
Technology*

## Message from the Institute Director

Dear Esteemed Partners,

In the era of Industry 4.0, high technology is not only a driving force for socio-economic development but also a symbol of national competitiveness and strategic vision. The Southeast Asia Institute for Advanced Technology (AIAT) was established with the mission of serving as a bridge between Vietnamese intelligence and global technology – a hub for scientific research, human resource development, and the transfer of innovation.

We firmly believe that the sustainable development of our nation must be grounded in strong science and a highly skilled technological workforce – one capable of mastering the digital world, new materials, artificial intelligence, and, most importantly, semiconductors – the “infrastructure of all infrastructures.”

With an experienced team of experts, professors, and scientists, alongside a global network of strategic partners, AIAT is committed to accompanying government agencies, organizations, and enterprises in creating tangible technological value, fostering an innovation ecosystem, and advancing the knowledge-based industry in Vietnam.

Our doors are always open to collaboration – to co-create the future through science, technology, and strategic trust.

We sincerely thank you and look forward to our cooperation.

# Mission and Vision

## Mission

Conduct research, training, and high-tech transfer to develop high-quality human resources, promote innovation, and enhance national science and technology capacity.

## Vision

To become a leading center for high-tech research, training, and innovation in Vietnam and the Southeast Asian region, with international influence by 2035.



# Core activities of AIAT

## Activity 1

Training high-tech human resources to international standards to serve key sectors such as semiconductors, artificial intelligence, biotechnology, advanced materials, and renewable energy.

## Activity 2

Conduct applied research and technology transfer, closely linked with enterprises and the needs of socio-economic development.

## Activity 4

Build an innovation ecosystem through R&D centers, technology incubators, and partnerships with domestic and international universities and research institutes.

## Activity 5

Act as a focal point for international cooperation in high technology, especially with global universities, research organizations, and enterprises.



# Objectives of AIAT

## Objective 1

Take the lead in training high-tech human resources for strategic sectors such as semiconductors, artificial intelligence, biotechnology, renewable energy, and advanced materials.

## Objective 2

Become a pioneering institution in applied research and technology transfer, creating practical solutions to support socio-economic development and the industrialization and modernization of the country.

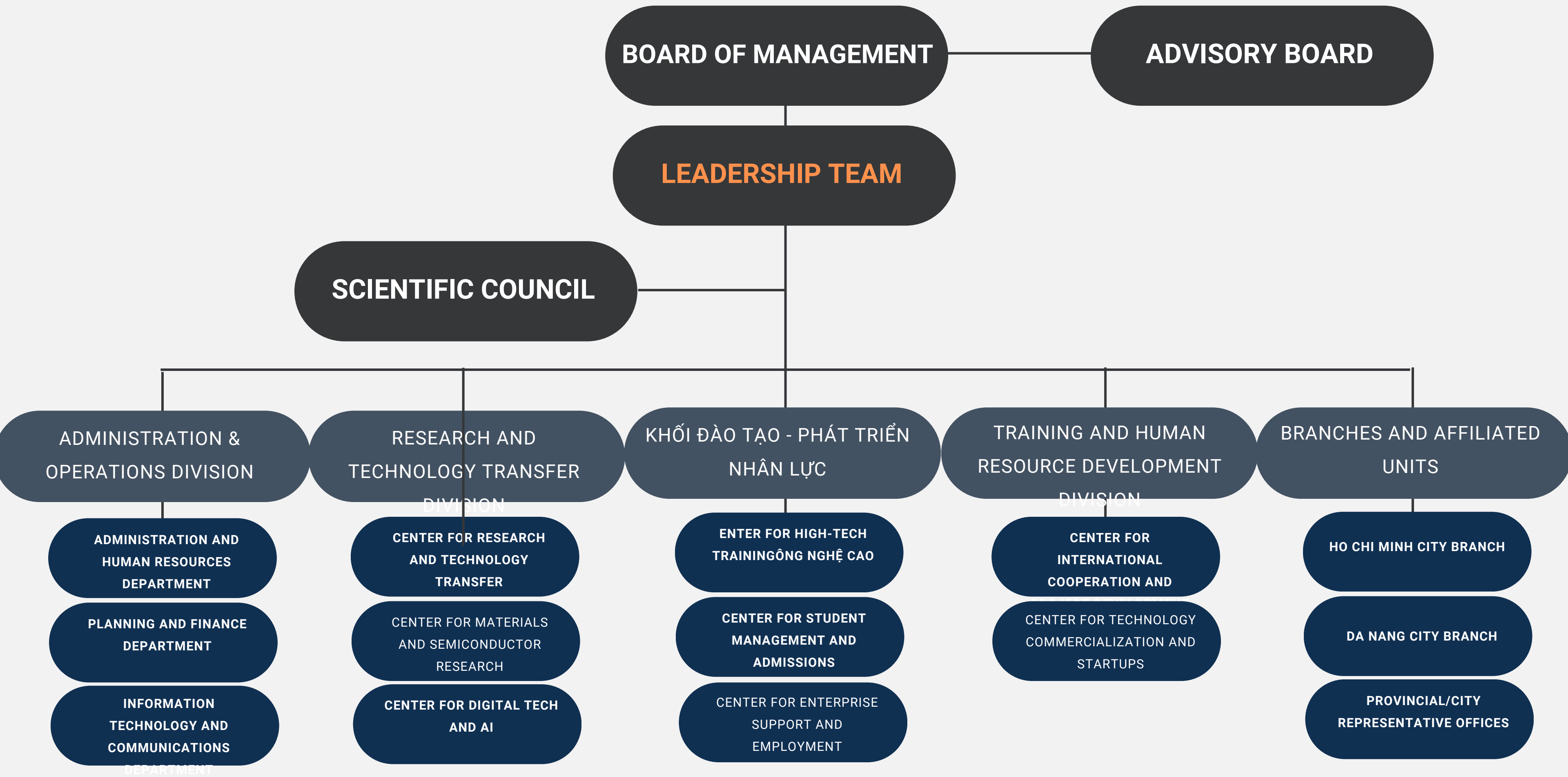
## Objective 4

Contribute to building an independent, self-reliant, and globally integrated high-tech industry through strategic partnerships with leading universities, research institutes, and technology enterprises worldwide.

## Objective 5

Develop an open innovation ecosystem that connects key stakeholders: government, enterprises, research institutes, investors, international universities, and startups.

# Organizational structure of AIAT





# Leadership Structure of AIAT



**Prof. Dr. Sci. Nong Duc Ke**  
**Director – Chairman of the  
Scientific Council**

Prof. Dr. Sci. Nong Duc Ke is a leading expert in high technology with over 40 years of experience in research, teaching, and international cooperation. He earned his Doctor of Science degree in Russia...



**Mr. Thai Thanh Ha**  
**Deputy Director**

Engineer Thai Thanh Ha is a technology engineer with over 20 years of experience in the development and transfer of high-tech solutions, particularly in automation and advanced materials.



**Dr. Tùng Nguyễn**  
**Deputy Director**

Dr. Tung Nguyen has over 10 years of experience in research, training, and development of STEM and high-tech programs in Vietnam and internationally.



**Mr. Bui Van Hai**  
**Deputy Director**

Engineer Bui Van Hai has nearly 40 years of experience in admissions management and specialized communications in high technology, with strong skills in connecting institutes, enterprises, and communities.

# Advisory Board – Scientific Council of AIAT



**Assoc. Prof. Dr.  
Tran Dinh Thien**

Chairman of the Advisory Board



**Prof. Dr. Sci.  
Tu Trung Chan**

Founder – Vice Chairman of  
the Scientific Council



**Assoc. Prof. Dr.  
Le Huy Hoang**  
Senior Advisor



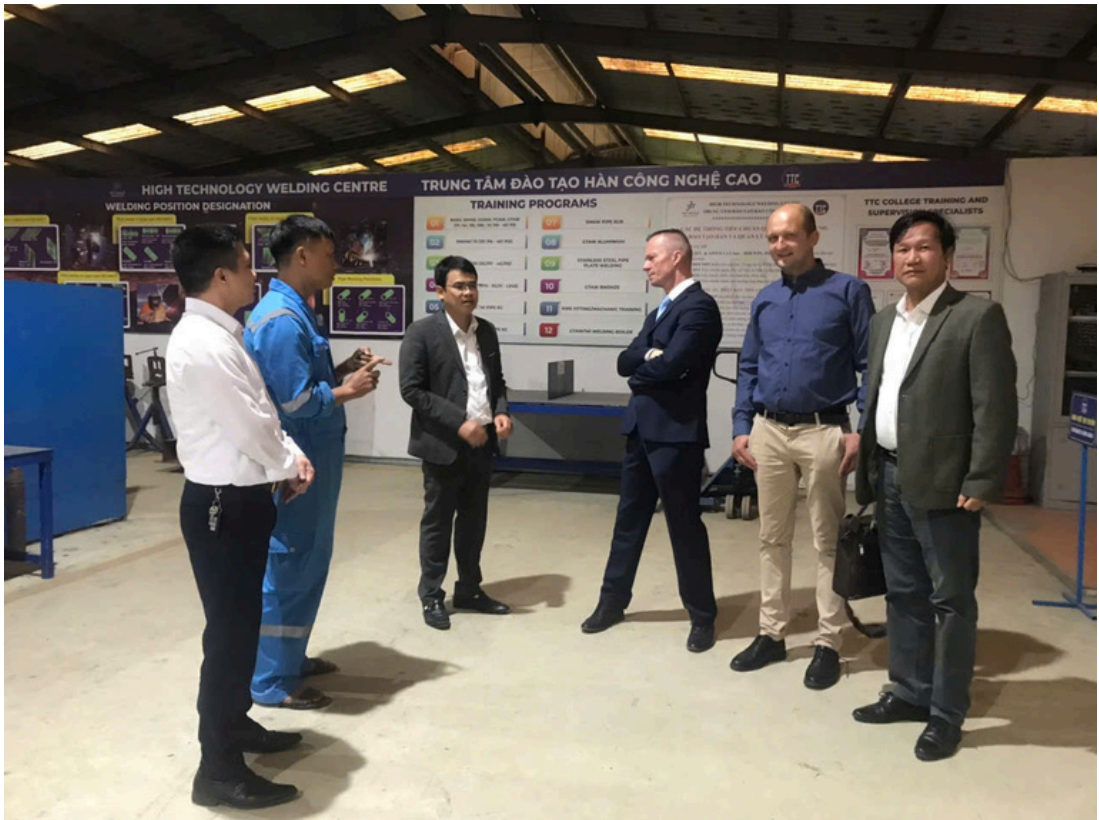
**Dr. Nguyen Huy Cuong**  
Senior Advisor

# Some Research Projects of AIAT

- Semiconductor Chip Fabrication Methods: Top-Down and Bottom-Up Approaches (Prof. Dr. Sci. Tu Trung Chan)
- EUV Lithography Technology: The Core Foundation for Ultra-Miniature Chip Production (Prof. Dr. Sci. Tu Trung Chan)
- Application of Rare Earth Elements in Aquaculture: An Alternative to Antibiotics to Enhance Productivity and Food Safety (Dr. Nguyen Huy Cuong)
- Using Rare Earth Elements – An Antibiotic Alternative Solution to Increase Productivity and Reduce Costs in Aquaculture (Dr. Nguyen Huy Cuong)
- Technology Startups – Basic Concepts (Prof. Dr. Sci. Nong Duc Ke)
- Conditions for Technology Startup (Prof. Dr. Sci. Nong Duc Ke)

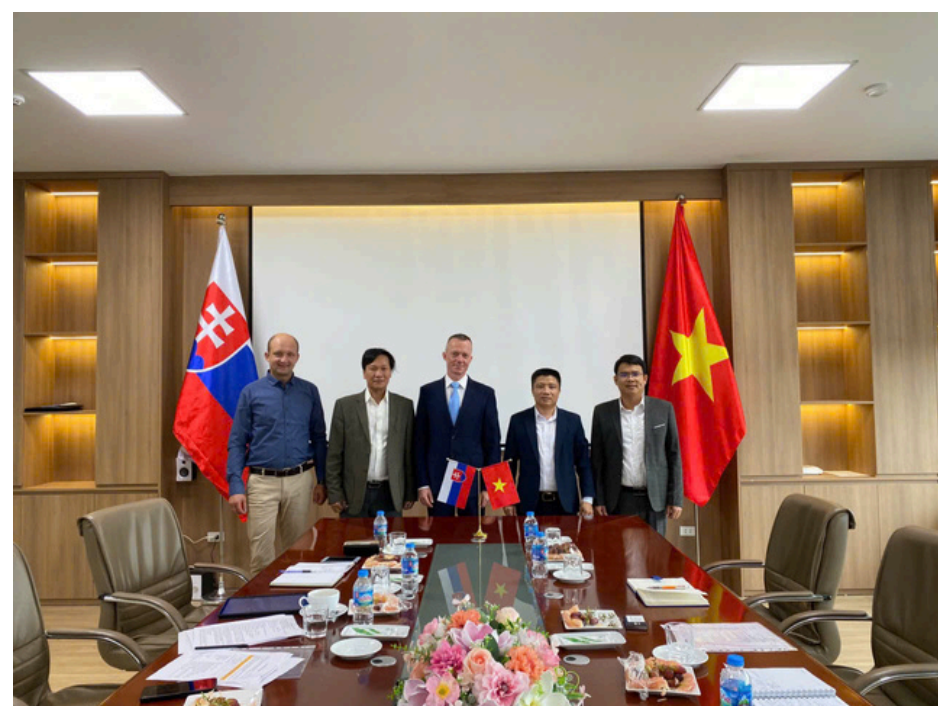
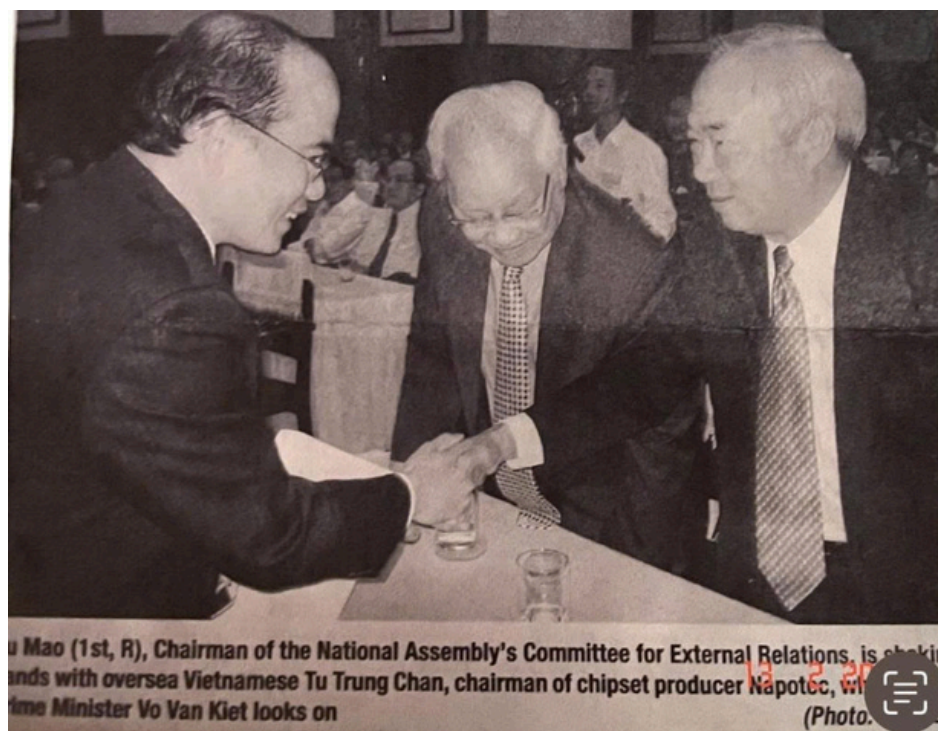


# Some Activity Photos of AIAT





# Some Activity Photos of AIAT



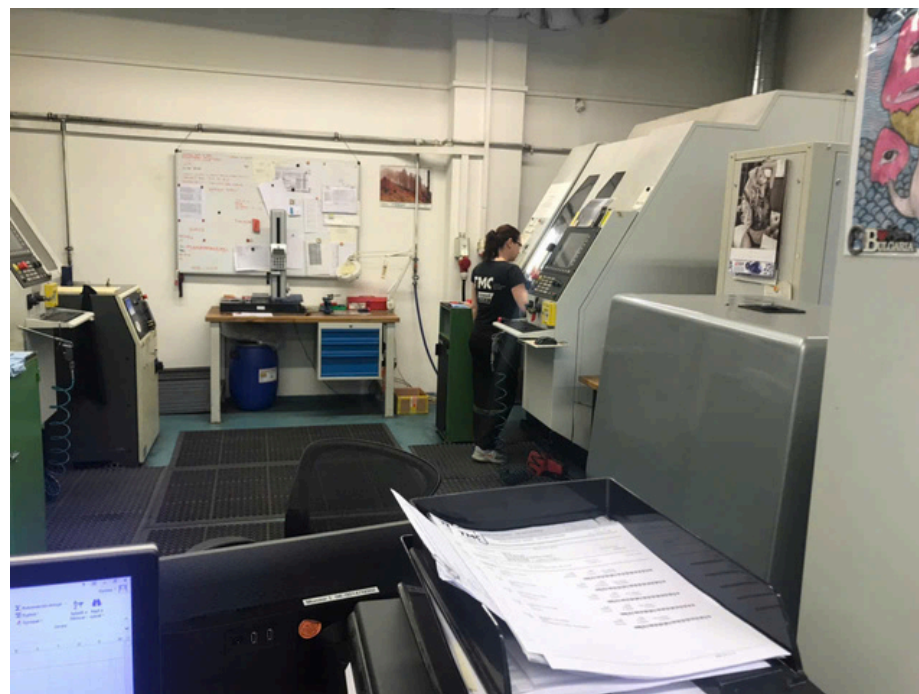
**METAL ORGANIC CHEMICAL VAPOR DEPOSITION (MOCVD)**

Metal Organic Chemical Vapor Deposition (MOCVD) System

20-4-2023 CONFIDENTIAL 3



# Some Activity Photos of AIAT





# Why Choose AIAT?

The Southeast Asia Institute for Advanced Technology (AIAT) is a trusted strategic partner with a deep understanding of the Vietnamese market and innovation ecosystem. AIAT possesses strong practical implementation capacity and an extensive network of relationships with government agencies, businesses, universities, and local authorities.

Choosing AIAT as your cooperation partner brings the following advantages:



**1. Deep understanding of the local environment:** We have hands-on experience working with provincial and municipal authorities, with a strong grasp of legal procedures, development needs, and investment attraction policies specific to each locality.

**2. Comprehensive project implementation and coordination capacity:** From site preparation and infrastructure development to the establishment of training models, research activities, and high-tech zones, AIAT possesses the capability and resources to ensure project progress, quality, and long-term sustainability.

# Why Choose AIAT?



**3. Comprehensive support ecosystem:** AIAT has developed a collaborative ecosystem that closely connects universities, research institutes, businesses, and local authorities – aligned with the strategic direction of leading global technological universities such as ASU.

**4. Transparency – Respect – Long-term commitment:** We are committed to partnerships built on goodwill, transparency, mutual respect, and a long-term relationship founded on harmonized interests for all parties involved.

We firmly believe that with the trusted and strategic partnership of AIAT, every collaborative project in Vietnam will be implemented efficiently, cost-effectively, with minimized risks, and will bring tangible value to both parties.



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ADVANCED TECHNOLOGY**


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# Thank You

**Let's Connect with Us!**

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