



WCEMNT 2025

World Conference on Electromagnetic Nondestructive Testing

November 18-21, 2025 | XIAMEN-CHINA



Organized by  The Chinese Society for Non-destructive Testing (ChSNDT)

Call for Papers

Welcome to WCEMNT 2025! This WCEMNT 2025 conference, with the theme of "*Electromagnetic Vision for Intelligent Safety Protection: A New Era of Global Electromagnetic Nondestructive Testing Technology*", aims to gather global wisdom and to provide a platform for academic exchanges, technical demonstrations, and international cooperation for scholars, researchers, and students in the field of electromagnetic nondestructive testing.

As an international academic event promoting the development of theories and technologies of electromagnetic nondestructive testing, this conference has meticulously planned a diverse range of activities, including cutting-edge academic reports, oral and poster presentations, ISO international standard symposium, and intelligent NDT equipment exhibitions. Experts and scholars from all over the world are invited to share their latest researches.

The conference topics include but are not limited to:

- ✧ Advanced electromagnetic sensor technologies and integrated systems
- ✧ Innovative principles, methods, and digital modeling of electromagnetic testing
- ✧ Frontier applications of artificial intelligence and machine learning
- ✧ Intelligent imaging and quantitative analysis of complex components
- ✧ Intelligent monitoring technologies for the whole life cycle of major equipment
- ✧ Photoelectric-electromagnetic integrated testing and interdisciplinary innovations

This conference is conducted entirely in English.

Key Dates

Submission of abstract: July 31, 2025

Notification of acceptance: No more than August 15, 2025

Submission of final paper (tentative): December 1, 2025

Conference Secretariat

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INVITATION LETTER

Dear friends and colleagues,

It is our great honor to invite you to attend the first World Conference on Electromagnetic Nondestructive Testing (WCEMNT 2025) to be held in Xiamen, China from November 18th to 21st, 2025. On behalf of the host organization, the Chinese Society for Non-destructive Testing (ChsNDT) and the Conference Organizing Committee, we warmly welcome friends, experts and scholars in the field of electromagnetic nondestructive testing from all over the world!

WCEMNT 2025 is committed to breaking through the limitations of traditional electromagnetic testing techniques such as conventional eddy current testing, magnetic flux leakage, and metal magnetic memory. This international conference is aimed at developing an innovative testing/monitoring system based on electromagnetic fields, with a focus on the following key aspects:

1. Deeply expand the interdisciplinary technology matrix including microwave testing, terahertz wave imaging, and electromagnetic-electrochemical collaborative sensing.
2. Horizontally promote the integrated innovation of electromagnetic technology with multiple nondestructive testing methods such as ultrasonic guided-wave testing, laser holography, and infrared thermography.
3. In the face of the wave of Industry 4.0, experts and scholars from fields such as artificial intelligence (AI), robotics, and biological electromagnetic fields are invited to gather together to drive progress in these critical fields.

We are now ready to provide a revitalized conference in Xiamen - the hub of innovation cooperation among BRICS countries. Xiamen is a beautiful city known as "The Garden on the sea" with azure seas and academic spirit. It's our great honor to take you around the World Heritage site of Gulangyu Island, and to enjoy the nice local tea with all of you after the intellectual exchanges.

With innovation as sail and technological breakthroughs as oars, let's jointly write a new chapter in the field of electromagnetic nondestructive testing!

We are very much looking forward to meeting you all in November, 2025 in Xiamen, China!

Sincerely yours,

Junming Lin

Chair of the WCEMNT 2025

Vice Chair of ChSNDT

On behalf of WCEMNT 2025 Secretariat