



**ADDITIVE  
MANUFACTURING  
CENTER OF  
EXCELLENCE**



Shanghai, China  
National Exhibition  
and Convention Center  
(NECC), Hall 8.1H

Global Standard Rate  
USD 399/person

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ASTM CERTIFICATE COURSE | 16 MARCH 2006

# Quality Assurance for Additive Manufacturing

This course covers global additive manufacturing (AM) standards and the qualification and certification requirements in AM processes. It is suitable for AM process engineers, AM materials engineers, AM project managers and team leaders, as well as any professionals with experience in the AM industry.



## TCT Welcome remarks



**Dr. Alex Liu**  
Director, ASTM Asia Pacific  
ASTM International



**Zeng Shaolian**  
Secretary -General,  
SAMA



**Duncan Wood**  
Chairman, Globus  
Rapid News Co., Ltd.



**Andy Lu**  
Manager, AM Programs  
ASTM International



**Aloysius Tay**  
AM Project Engineer,  
ASTM International

## Trainers

## ABOUT THE COURSE

**Course Level:** Intermediate to Advanced users  
**Course Language:** Chinese  
**Course Textbook:** Bilingual material (Chinese and English)

This course provides a comprehensive overview of the global international standard system for AM, the ISO/ASTM joint standards, and offers in-depth explanations of selected key standards. It also covers the qualification requirements and methods for parts produced through AM processes. The course integrates the latest AM case studies to explore key challenges and opportunities in qualification and certification.

This one-day training program is based on ISO and ASTM standards and is designed for professionals currently engaged in, or planning to apply, AM to mass production, quality validation, and certification processes. Participants are expected to have basic knowledge or experience in AM.

### Key Topics Include

- Overview and Interpretation of AM International Standards
- Fundamentals of AM Qualification and Certification
- Classification and Consequences of AM Parts
- Requirements and Regulations for the AM Industry
- AM Qualification and Certification Pathway

## AGENDA

<b>0830</b>	<b>Registration</b>
<b>0900</b>	<b>Welcome Remarks</b> <ul style="list-style-type: none"> <li>- Dr. Alex Liu, Director, ASTM Greater China</li> <li>- Zeng Shaolian, Secretary-General, SAMA</li> <li>- Duncan Wood, TCT Asia General Manager</li> </ul>
<b>0920</b>	<b>Additive Manufacturing Standards</b> <ul style="list-style-type: none"> <li>- Overview of ISO/ASTM AM International Standards &amp; Industry Standards</li> <li>- How industries apply standards</li> <li>- Conformance requirements based on standards</li> </ul>
<b>1100</b>	<b>Fundamentals of AM Qualification and Certification</b> <ul style="list-style-type: none"> <li>- Overview of qualification and certification frameworks</li> <li>- Structure and concepts of AM qualification certification</li> </ul>
<b>1300</b>	<b>Classification and Consequences of AM Parts Requirements and Regulations for the AM Industry</b> <ul style="list-style-type: none"> <li>- Classification and consequences of AM parts</li> <li>- Structure of standards</li> <li>- Key regulatory and management requirements</li> </ul>
<b>1500</b>	<b>AM Qualification and Certification Pathway</b> <ul style="list-style-type: none"> <li>- IQ/OQ/PQ (Installation / Operation / Performance Qualification)</li> <li>- AM process specifications</li> <li>- Sharing of real-world industrial case studies</li> </ul>
<b>1700</b>	<b>Q&amp;A and Closing Remarks</b>

📅 1045 Break 🍴 1200 Lunch 📅 1445 Break