

Organized by:



Standards Forum at **formnext**

Theme

Industrialization of AM
through Standardization –
How to take AM to the
next level?

Monday, November 15th, 2021
Frankfurt, Germany

Who Should Attend

The workshop is open to all engaged in AM activities, including Executives, Managers, AM Engineers, and Technicians from industry, research institutes, academia, and government agencies.

Why You Should Attend

This is an excellent opportunity to understand and appreciate how AM standards have been used across different industry sectors. You will get first-hand information from the industry leaders who are effectively using standards in their AM operations. The panel discussions and break-out sessions allow you to interact with industry experts about the standard practices and methods to overcome challenges in the implementation of AM.

**Free Formnext pass
included with registration**

Note

This event follows the Formnext 2021 Safety and Hygiene Rules. More information is available [here](#).



This one-day workshop at **Formnext 2021** will allow attendees to understand how standards impact the industrialization of AM and how you can leverage the standards for various AM applications across different industry sectors. Presentations, panel discussions, and break-out sessions in the workshop include topics that cover:



Current status and general industry perspective on AM standards



Standards activities and priority needs specific to industry sectors such as aero, medical, automotive, energy, oil & gas, and construction



Standardization challenges and opportunities



The discussion will also focus on the standards needs in advanced areas such as Digitalization, Automation, and Rapid Qualification and Certification methods for AM

Standards Forum at formnext

Registration

Non-Members: **\$100.00**

ASTM/ISO Members: **\$50.00**

(Free pass to Formnext 2021
included with registration)

Supporting Organizations



America Makes



formnext



Agenda

- 9:30 a.m.** Registration
- 9:45 a.m.** Welcome Remarks:
William B. Czajkowski, Minister-Counselor for Commercial Affairs and Regional Senior Commercial Officer for Central Europe, U.S. Embassy, Berlin, Germany
- 10 a.m.** Keynote 1
Progress in International Standardization for AM – An ISO/ASTM Update
Christian Siedel, ISO
Shane Collins, ASTM International
- 10:30 a.m.** Keynote 2
Industry Perspective on the Use of Standards In AM
Sebastian Piegert, Siemens Energy
- 11 a.m.** Technical Presentation 1
Automotive Industry Perspective on the Use of Standards For AM
- 11:20 a.m.** Technical Presentation 2
Medical Industry Perspective on the Use of Standards For AM
Victor Zambrano, Johnson & Johnson
- 11:50 a.m.** Technical Presentation 3
Role of a Digital Quality Management System Towards Industrialisation of Additive
Christophe Blanc, Link 3D
- 12:10 a.m.** Technical Presentation 4
Automation in Additive Manufacturing
Konstantin Rybalcenko, AMT Postpro
- 12:30 p.m.** Technical Presentation 5
AM OEM Perspective in Industrialization
Marius Lakomic, EOS GmbH
- 12:50 p.m.** Technical Presentation 6
Rapid Qualification & Certification Methods for Additive Manufacturing
Martin White, ASTM International
- 2 p.m.** Panel 1
AM Industrialization
Topics: Digitalization, Automation, and Q&C
Angeline Goh, Shell
Leander Wilcke, Sigma Labs
Fatos Derguti, 3T-AM
- 3 p.m.** Break-out Session
Topics: Industry specific needs for standards.
Industry sectors: Aviation, Automotive, Construction, Medical, Oil & Gas, Energy, and Maritime
- 4 p.m.** Break-out Session Summary and Sharing
- 4:45 p.m.** Panel 2: AM Standardization challenges (60 min)
Topics: Collaboration, Gaps, and Opportunities.
Moderator: Terry Wohlers, Wohlers Associates
Panelists:
Christian Seidel, ISO
Shane Collins, ASTM International
Yavuz Anik, DIN
Bill Bihlman, SAE
Eric Baustert, CEN

11:40 BREAK | 1:10 LUNCH | 6:30 RECEPTION