

## ASTM INTERNATIONAL CONFERENCE ON ADDITIVE MANUFACTURING

Research To Application  
Through Standardization

October 31 – November 4, 2022 | Orlando, FL  
JW Marriott Orlando Bonnet Creek Resort & Spa

Submit an Abstract at [www.amcoe.org/icam2022](http://www.amcoe.org/icam2022)

### Application of AM in Construction on Earth and Beyond

Additive manufacturing (AM) in construction has made headlines across many media outlets, both AM-specific and mainstream. The technology is expected to help improve the efficiency of the industry by reducing manpower, costs, and construction lead time. Hence, some governments are investing resources into research and development in this area to accelerate its growth and adoption.

Besides revolutionizing how structures are built on Earth, AM is also seen as an ideal technology to realize construction on other planetary bodies like the Moon and Mars. This symposium aims to explore the current state-of-the-art in the development of AM techniques for construction across, and outside of, the globe. Additionally, it will also focus on the current and future possibilities of the technology in this industry.

**The following specific topics are of interest to this symposium:**

- New materials development for additive manufacturing construction
- Development of new test methods, or leveraging of existing methods, to demonstrate building code compliance
- Types of AM technologies applicable for deployment in both prefabricated and on-site construction environments
- Improved sustainability for AM construction
- AM construction beyond Earth

#### Symposium Organizers

- Michael Fiske, NASA, USA
- Giada Gasparini, University of Bologna, Italy
- Ali Kazemian, LSU, USA
- Stephan Mansour, MaRiTama Ltd., Canada
- Sam Ruben, Mighty Buildings, USA
- Timothy Wangler, ETH Zurich, Switzerland



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ADDITIVE MANUFACTURING