# ICAM25

# International Conference on Advanced Manufacturing

## Research to Application through Standardization

**October 6-10 | Las Vegas, NV**

## Industrial Sector - Defense

Additive manufacturing (AM) enables the modernization of current defense systems and will be more integrated in future weapon systems. AM is part of an alternative route in the advanced manufacturing framework to produce hard-to-source spare parts and parts at the point of need (e.g., legacy castings or on-site manufacturing of temporary spare parts, etc.), AM also helps to improve logistical readiness. As a result, the defense industry has taken the lead in advancing and maturing AM technology. However, existing standards and practices (e.g., commercial standards, military standards, airworthiness processes, and certification practices, etc.) may either be difficult to apply or are just not relevant to AM parts. Thus, new standards and practices need to be developed to facilitate broader and more rapid adoption.

**TOPICS OF INTEREST INCLUDE BUT ARE NOT LIMITED TO:**

- Material and process considerations for specific applications
- Applicability of existing military standards for AM applications
- AM for spare or hard to source parts
- Role of AM in the context of contested logistics
- Temporary manufacturing of spare parts on-site
- Future of AM defense industry in the digital age
- AM in military medical treatment and recovery

### Symposium Organizers

- **Jesse Boyer**, Pratt & Whitney, USA
- **Sascha Hartig**, German Navy, Germany
- **Fernando Lasagni**, Novaindef, Spain
- **Travis Mayberry**, Divergent 3D
- **Cynthia Waters**, Naval Surface Warfare Center (NSWC) - Carderock Division, USA

Submit an abstract

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