



# Additive Manufacturing for Military Applications

9 October 2019

Kunnskapsbyens hus, Gunnar Randersvei 24, 2007 Kjeller

AMMA (Additive Manufacturing for Military Applications) is an event organized by the Norwegian Defence Research Establishment (FFI).

AMMA 2019 is the third year for this event. The goal is to bring together professionals from the Armed Forces, governmental defence research and development, industry and academia regarding additive manufacturing (AM).

AMMA 2019 also works as a networking platform to discuss possible collaborations.

Registration: [amma@ffi.no](mailto:amma@ffi.no)

## Programme

### 08:30–09:00 Registration

#### Industry AM Applications:

- 09:00–09:45 Lockheed Martin (USA) “How Additive Manufacturing is Driving Change in Manufacturing at Lockheed Martin” Brian T. Rosenberger
- 09:45–10:15 FieldMade (Norway) “AM as a Tool for Increased Operability” Christian Norberg
- 10:15–10:45 SLM Solutions (Germany) “Case Studies of SLM® Technology in Key Markets” Jens Oldenburg

### 10:45–11:00 Break

- 11:00–11:30 Norsk Titanium (Norway) “Industrial Status for Norsk Titanium’s Rapid Plasma Deposition Process” Hilde Løken Larsen
- 11:30–12:00 Nordic Additive Manufacturing (Norway) “Everything Can Be Fixed with LMD” Sture Henning Sørli

### 12:00–13:00 Lunch

#### AM Standard/Material Developments:

- 13:00–13:30 Heraeus (Germany) “Overview of AM Special Materials” Jakob Fischer
- 13:30–14:00 DNV GL (Norway) “Qualification and Certification of AM” Harsharn Singh Tathgar
- 14:00–14:30 Jotne IKT (Norway) “Benefits of Using ISO 10303 (STEP) for AM Projects” Remi Lanza

#### Research and Development:

- 14:30–15:00 Agder University (Norway) “Additive Manufacturing for Offshore and Maritime Applications” Morten Kollerup Bak
- 15:00–15:30 Sintef (Norway) “Material and Process Knowledge for Robust Additive Manufacturing” Mohammed Mhamdi

### 15:30–15:45 Break

#### AM Software:

- 15:45–16:15 SIM Evolution (Norway) “Simulation for *First Time Right* using Additive Manufacturing” Henrik Larsen
- 16:15–16:45 PLM Group (Norway) “3DXpert™ All-In-One Software from Design to Metal Additive Manufacturing” Stian Mork
- 16:45–17:15 EDR & Medeso (Norway) “Multiscale Modelling for Process Simulation in SLM Technology” Imran Ahmed

### 17:15–17:30 End Remarks