



**AACHEN CENTER
FOR ADDITIVE
MANUFACTURING**



Japanese AM Peer Event
Tokyo, September 10-12, 2019



**AACHEN CENTER
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MANUFACTURING**

Japanese AM Peer Seminar

Tokyo, September 11-12, 2019



In order to provide our Japanese members, customers and prospects with the latest updates in the rapidly evolving field of industrial Additive Manufacturing we would like to host an exclusive seminar event following the Japanese Formnext conference, taking place on the September 11-12.

Key Facts:

- Two days full of **technological and commercial insights** regarding the latest global AM developments
- Talk with our **experts** and gather **insights** from industries **like aerospace, automotive** and **turbomachinery** along the entire AM process chain
- Opportunity to **network** with all major **Japanese AM stakeholders**
- Unique **seminar content** made available for you and your **colleagues** dealing with AM, suitable for **beginners** and **intermediate** levels
- **Workshop** on recent and **future development** of the Japanese AM market



Japanese AM Peer Seminar

Tokyo, September 11-12, 2019



Agenda:

Day 1 (September 11)		Day 2 (September 12)	
8:30 – 9:00	Welcome & Introduction	8:30 – 9:00	Welcome & Introduction
9:00 – 10:30	Technology Overview Polymer AM	9:00 – 10:30	Market, Cost & Innovation
10:45 – 12:15	Technology Overview Metal AM	10:45 – 12:15	Use Cases Aerospace & Turbomachinery
12:15 – 13:15	<i>Lunch Break</i>	12:15 – 13:15	<i>Lunch Break</i>
13:15 – 14:45	Design for AM	13:15 – 14:45	Use Cases Automotive
15:00 – 16:00	Metal Materials for AM	15:00 – 16:00	Use Cases Tooling
16:00 – 17:00	Quality Assurance & Post Processing	16:00 – 17:00	Part Identification
19:00	Evening reception		

Fee (per participant):

- ACAM members: 1,500 € for both days / 1,000 € for one day each participant
- Non-ACAM members: 2,000 € for both days / 1,300 € for one day each participant

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General Information:

Language

- The interpreter will be available for the discussions during the whole event.

Speakers

- AM experts from ACAM R&D network

Registration

- Via ACAM online platform
<https://acam.rwth-campus.com/japanese-am-peer-event/>

Maximum number of participants:

- 35 per day

Evening reception

- hosted by ACAM, venue to be defined

Location

- Belle Salle lidabashi Ekimae – 2nd Floor Room 01

Address: Japan, 〒102-0072 Tokyo-to, Chiyoda City, lidabashi, 3-Chome-8-5 住友不動産飯田橋駅前ビル1・2F



Impressions from the first AM peer group meeting

ACAM Contact Person:

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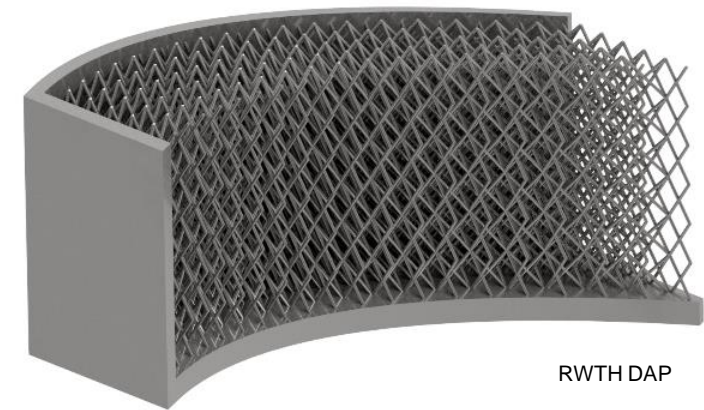
Annex

Detailed Contents of Seminars



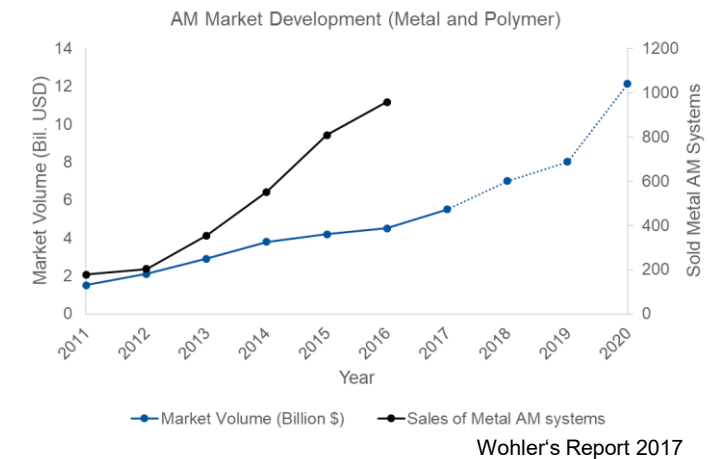
Design for AM

1. New possibilities in part design
2. Lightweight principles
3. Software overview
4. Future developments



Market, Costs & Business Models

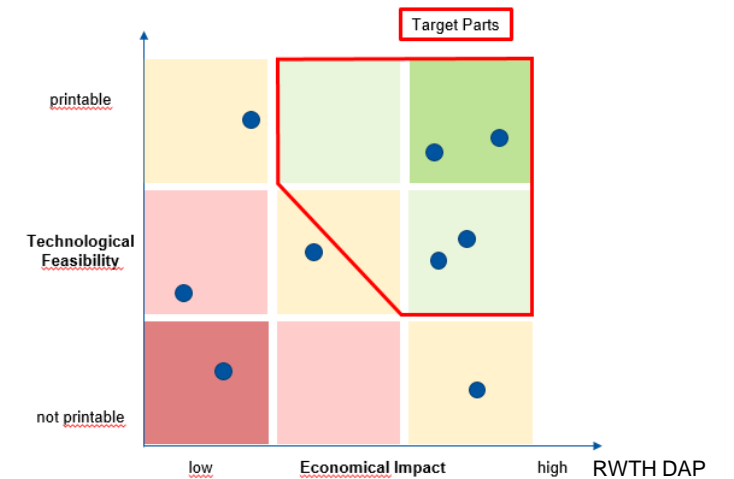
1. Global AM markets
2. Market penetration
3. Innovative business models
4. Cost calculation in AM





Part Identification

1. Introduction: Adding value by means of AM
2. Part selection methodology
3. Scanning part databases
4. Make or buy



Metal Materials for AM

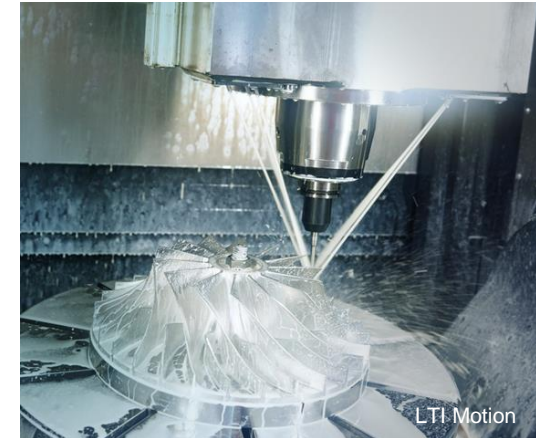
1. Conventional vs. AM materials
2. Production of AM materials
3. Quality Assurance
4. Powder handling
5. New materials





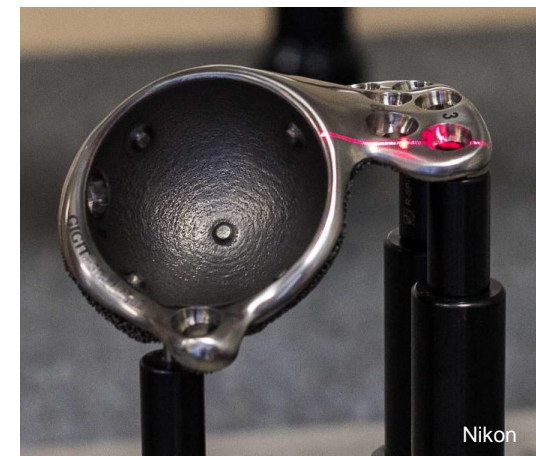
Technology Overview Metal AM

1. Process principles
2. Equipment Overview
3. Available Materials
4. Future developments



Quality Assurance

1. The importance of QA in AM
2. Pre-process QA
3. In-situ monitoring
4. Mechanical properties
5. Documentation





Technology Overview Polymer AM

1. Process principles
2. Equipment Overview
3. Available Materials
4. Future developments

