



# MEETING 2019 MATERIALS

10 DECEMBER

# Welcome!

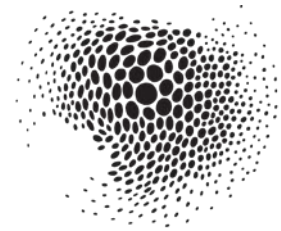
ORGANISING PARTIES

**m2i** materials  
innovation  
institute

**4TU**.HTM

  
Bond voor Materialenkennis

# Organizing parties



Bond voor Materialenkennis

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\* Meeting Materials is co-funded by the MIT-funding for Network-activities of the TKI HTSM.

# Bond voor Materialenkennis

# Bond voor Materialenkennis

- Initiator of Meeting Materials
- Aim: gain the interest of young material specialists
- Yearly event since 1997
- M2i & SIM involved in organisation since 2010
- Many locations in the Netherlands and Flanders
- Meeting Materials is used for the second “open” day of the M2i-Conference

# Bond voor Materialenkennis

The “ Bond voor **Materialenkennis** ”  
*(Society for **Materials knowledge**)*

is a **Network** organisation for experts  
on **Materials science and technology**

Our **members** are researchers, engineers and technicians  
working in research, education,  
services and industry

# Program for today

# Keynote speakers 10 Dec

## Morning



Amar Mavinkurve  
NXP



Amir Zadpoor  
TU Delft

## Evening



Beatriz Noheda  
RUG

# Theme sessions



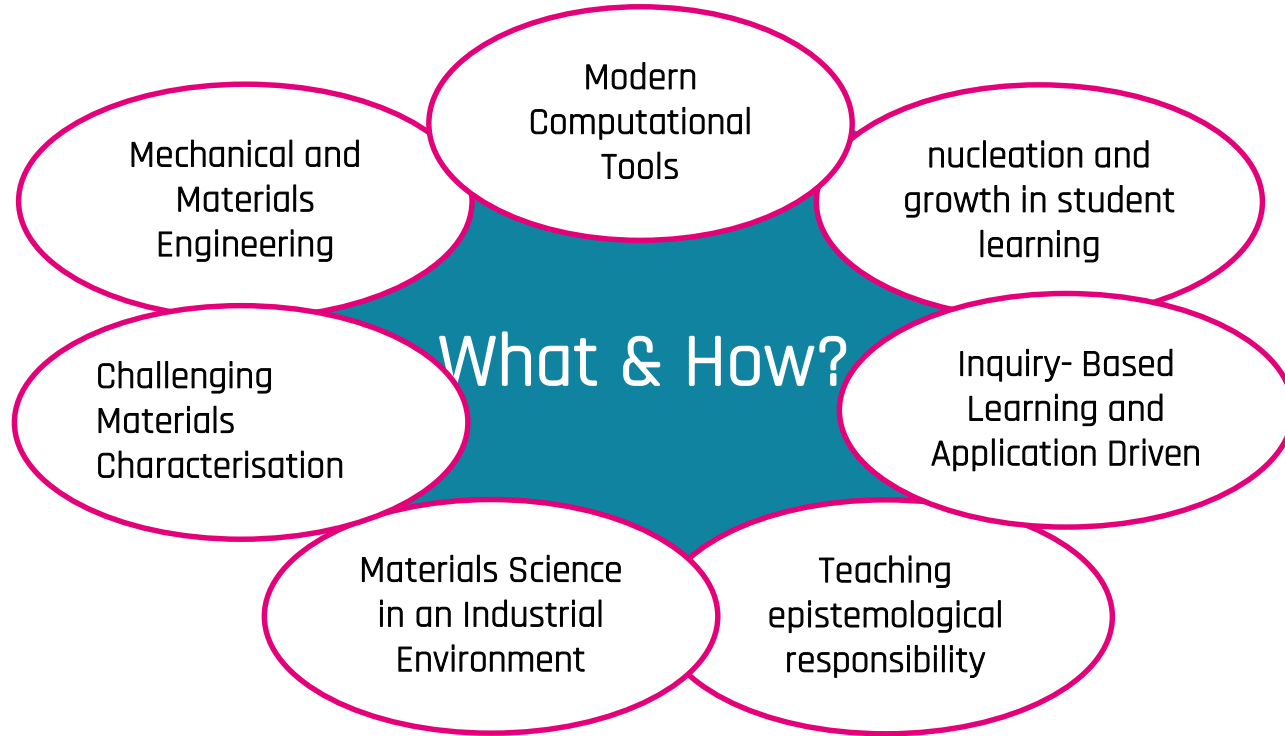
## Themes

- Special Steels
- Integrated Systems, Digital Future
- 4TU.HTM Education in Materials Science
- 3DMed: Medical Materials & 3D Printing \*
- Sustainability & Circular Economy
- Joining Technology
- MustMef: Multiscale Simulation Techniques for Metal Forming

\* Dissemination for European projects



# Education in Materials Science



# 3D printing of medical devices

# 3DMed



## Facts and Figures

Project leader: Dr. Jie Zhou (TUD)

Budget: €6,800,000; Grant 60%

2018-2021

17 partners



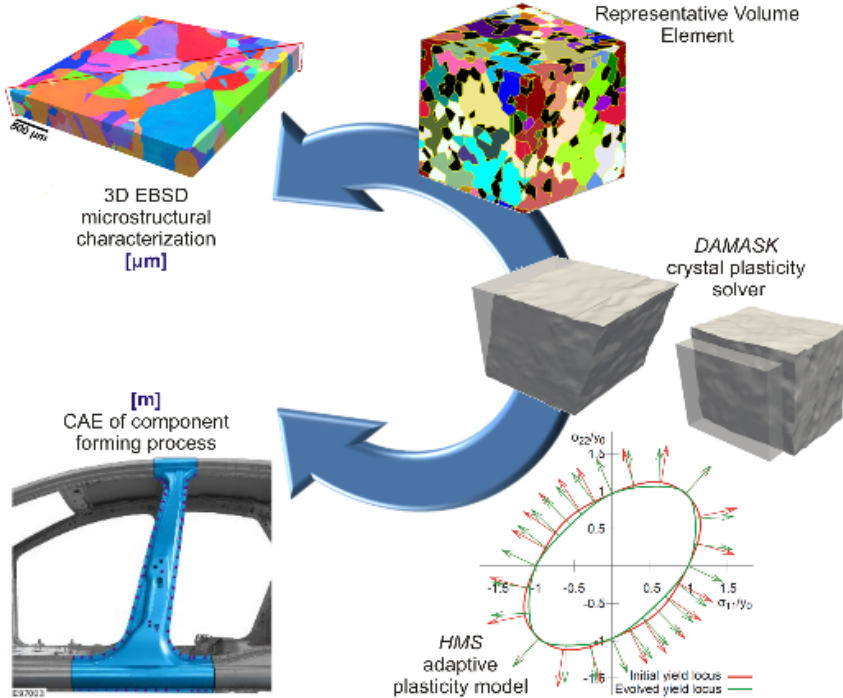
partners:



- Streamline of the 3D manufacturing process and data flow integration
- Advance the TRL of metallic, composite and polymeric 3D printed medical devices
- Validation and demonstration



# Multiscale Simulation Technologies for Metal Forming



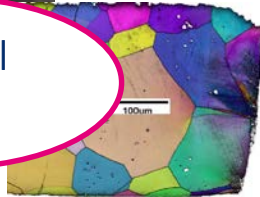
MuSTMeF



# More sessions



Special  
Steels



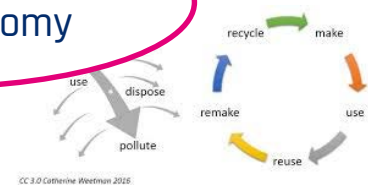
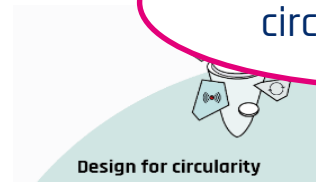
Joining  
Technology



Digital Future  
Smart Industries



Sustainability &  
circular economy



# Thank you

