

DIMECC

9TH ANNUAL SEMINAR

NOVEMBER 14-15, 2016 | MARINA CONGRESS CENTER, HELSINKI

DIMECC BSA and HYBRIDS Annual Seminar *Advanced materials for industrial applications*

PROGRAM - MONDAY 14 NOVEMBER - PRESS ROOM

13:00 Intro: Application driven digitalized materials R&D renewing industries,
Markku Heino, DIMECC BSA and HYBRIDS program manager,
Spinverse

- BSA – Breakthrough steels for demanding applications
- HYBRIDS – Superior functionality through advanced hybrid materials

13:20 Result Highlights Session 1

- Dynamic simulation of jaw crushers,
Marke Kallio, Metso
- Non-stick thin film coatings on dental restorative instruments,
Kari Lehtonen, LM-Instruments
- Damage-tolerant ductile ceramic coatings,
Ulla Kanerva, Valmet Technologies
- Influence of gear fatigue strength on torque density of wind turbine gearbox,
Kaisu Soivio, Moventas
- Enabling new applications with non-destructive composites testing,
Mika Juntunen, KONE

14:20 Break

14:40 What to do with digitalization of materials?
Anssi Laukkanen, VTT

15:00 Result Highlights Session 2

- From macro scale to micro scale and back,
Heikki Kettunen, Valmet Technologies
- Next generation ultra-high strength structural, wear and armor steels -performance for application in ultimate conditions,
Pasi Suikkanen, SSAB
- Fabrication effects on UHSS,
Mohsen Amraei, Lappeenranta University of Technology
- Tackling crevice corrosion in process industry,
Mari Lindgren, Outotec

15:55-16:00 Wrap-up, Markku Heino, BSA and HYBRIDS program manager

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