



SKILLMAN

Sector Skills Alliance
for Advanced Manufacturing
in the Transport Sector
skillman.eu

International Skillman Conference

Venue:

8th November 2017
Hosted by Tknika - San Sebastian

Programme

8:30-9:00 - **Arrival and Registration**

9:00-9:15 - **Welcome and presentation of the Conference**

- Jose Luis Fernandez – (Tknika)
- Giovanni Crisonà (CSCS President)

9:15-11:00 - **21st Century skills for Advanced Manufacturing Industry in Transport sector**

- Tiziana Chiappelli (CSCS – Dept. of Education, University of Florence) – European VET system and Skillman agreement
- Aikaterini Sylla (ESCO) – The Implementation of National and European policies and active measures for employment in the field of advanced manufacturing for the transport sector
- Jørn Skovsgaard (Danish Ministry of Education) – 21st Century Skills
- Borco Aleksov (Macedonian Ministry of Education and Science) – Qualifications for the New Century
- Christian Warden (The MTC) – Future Skills for 21st Century manufacturing
- Serge Monturet (EIT RAW materials) – Raw materials and the knowledge triangle: business, education and research

Chair: Giovanni Crisonà (CSCS President)

11:00-11:15 - **Coffee break**

11:15-13:00 - **Skillman project applications**

- Fabio Croci (CSCS) – Introduction to the Skillman project
- Renzo Salimbeni (CNR) - Research advancements and technology foresight
- Paula Cresswell (BMET) – Overview of the Moodle
- Jørgen Theibel Østergaard (Metropol) - Teacher Methodological Guide and Open Resources
- Gianluca Gastaldi (Comau) – The new era of automation
- Ahmed Muddassir (KTDMC) - How to make the manufacturing education holistic through Teaching Factory Model and NLP tactics
- Questions & Answers

Chair: Rita Davey

13:00-14:00 **Lunch**

Co-funded by the
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14:00-14:30 **Photo session and guided visit to Tknika**

14:30-15:30 - **Challenges for the Automotive Manufacturing Sector: Industry 4.0 perspectives and education**

- Mikel Niño (TECNALIA) – Industry 4.0 as a new reference model for industrial competitiveness
- Amaia Elorriaga (Gestamp) – Vocational qualifications: the needs from industry
- Sergio Rinaldi (Dept. of Mechanical, Energy and Management Engineering, University of Calabria) – Education for Advanced manufacturing Processes Design and Optimization
- Teresa Frith - The Apprenticeship Levy in the UK and its impact on VET and Industry (Association of Colleges - AOC)
- Questions and Answers

Chair: Vibeke Nørgaard

15:30-17:00 - **Parallel workshops on Skillman curricula:**

1. Industry & Production 4.0 Manager and Specialist: professional profiles and competences

Speakers and panel members: Daniele Bassan (CRF), Renzo Salimbeni (CNR), Giovanni Crisonà (CSCS), Ahmed Muddassir (KTDMC), Osman Titrek (Faculty of Education Sakarya University); Gianluca Gastaldi (Comau), Sergio Rinaldi (Dimeg –Unical), Fabio Croci (CSCS), Tiziana Chiappelli (CSCS - Unifi), Hakan Kahramaner (Yalova & IVETA), Ghulam Shabbir Babar (Erasmus Mundus Association), Thomas Hötzel & Ingrid Armengaud (Miles Learning).

Topics:

- Planning, building and managing ICT and manufacturing digitalization in automatic production lines – Daniele Bassan (CRF)
- Collaborative robotics
 - Live presentation Industry & Production 4.0 Manager Training
 - Industry & Production 4.0 Specialist Training
- How to apply the Curriculum at EU Level – Giovanni Crisonà (CSCS) & Giancarlo Colferai (CEPAS)

Chair: Giancarlo Colferai (CEPAS)

2. Robotics & Robotic Programming: Skillman and Beyond

Speakers and panel members: Paula Cresswell (BMET), David Morgan (EAL), Rachael McCorriston (JLR), Rita Davey (JLR), Christian Warden (AMTS), Teresa Frith (AOC)

Topics:

- Introduction to and overview of the Curricula including energy efficiency – Paula Cresswell (BMET)
- Overview of the Qualification & UK National Approval Process – David Morgan (EAL)
- Industry perspective & impact – Rita Davey & Rachael McCorriston (JLR)
- Interactive Session
- Drafting a road map for roll out of the qualification across other EU Member States - challenges and opportunities

Chair: Paula Cresswell (BMET)

3. Skillman curricula on composites

Speakers and panel members: Yasser Hannan (TEC), Björn Borgelin (SAS), Jacob Christensen (DTU), Rasmus Grusgaard (Danish Plastic Federation), Nawar Kadi (Borås University-Sweden), Anders Hiort Hansen (Danish Industry Education)

Topics:

- Skillman curricula on composites – Yasser Hannan (TEC)
- Impact Skillman curricula to aviation industry/importance composites in aviation industry - Björn Borgelin (SAS airline)

- Researches trends of composites in wind energy industry - Jacob Christensen (DTU Technical University Denmark)
- Skills and innovation challenges in the field of plastic/Composite- Rasmus Grusgaard (Danish Plastics federation)
- Thermoplastic Biocomposite - Nawar Kadi (Borås University-Sweden)
- How Danish Industry Education continuously design and develop educations in relations to new advanced technologies on composites - Anders Hiort Hansen (Danish Industry Education)

Chair: Jørgen Østergaard

17:00-17:15 **Coffee break**

17:15-17:45 **Feedback from the Workshops & Conference Conclusion**
Chair: Tiziana Chiappelli

17:45 **Award Ceremony**

20:00-22.30 **Dinner and Networking**

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The conference is hosted by TKNIKA

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<https://goo.gl/maps/5ykkVjAhFs2>

Accommodation for Speakers and selected participants:

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