



SKILLMAN

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

2015 International Conference

Venue

Brussels

Dates

27 November 2015



Co-funded by the
Erasmus+ Programme
of the European Union

The Sector Skill Alliance for Advanced Manufacturing in the Transport Sector represents the one-stop-shop providing state of the art solutions to competencies and skills needs faced by the automotive, aerospace and train industries. The Sector Skills Alliance is promoted by a network of leading organizations, including Jaguar Land Rover, FIAT Research Center and SAS, Scandinavian Airlines Systems, in cooperation with research centres and accreditation and regulatory bodies.

These key players cooperate with educational providers to detect skills needs and jointly design educational programmes in line with current and emerging technologies. The Observatory on Advanced Manufacturing for the Transport Sector focus its research activities and yearly outlook on labour market intelligence and on the requirements for educational programmes around three key domains or problem areas: energy performance of production processes and of end products; advanced processes, robotics and use of advanced combined materials; infotechment and the use of ICT and wireless technologies.

Each challenge is assigned to a Thematic Commission, conceived as working group, which is responsible to build a knowledge base on sector trends and innovations and on requirements in terms of educational programmes and qualifications. The educational programmes promoted by the SSA are primarily aimed at youngsters involved in tertiary VET qualifications, workers involved in short-cycle qualifications directed to re-skilling or up-skilling programmes and trainers wishing to access state of the art educational materials on Advanced Manufacturing for the Transport Sector. The SSA adopts an open approach allowing external stakeholders to join the Open Network of Associated Partners in the perspective of sharing information and know-how, creating synergies and cooperation initiatives and promoting the raise of quality of educational programmes and qualifications in the field of Advanced Manufacturing in the Transport Sector.

The conference promotes synergies and exchange of experiences among businesses, educational providers, professionals and decision makers around skills shortages, ensuring tangible benefits in terms of:

- Benchmarking successful initiatives and support to strategic planning for **decision makers**
- Sharing resources, methodologies, tools and solutions for **practitioners**

The conference offers networking opportunities to foster cooperation between VET providers and businesses, within and beyond EU borders. The conference promotes capacity building for improving the educational offer in the field of advanced manufacturing at different and complementary dimensions:

- 1 – Individuals
- 2 – Organizations
- 3 – Legal framework

SKILLMAN Alliance is supported by the Executive Agency for Education and Culture of the European Commission under the Erasmus+.



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27th November 2015

Venue: Brussels

- 08.00 – 09.00 Registration of participants
Advanced Manufacturing Exhibition
- 09.00 – 09.10 Welcome by Local Host
- 09.10 – 09.25 SKILLMAN Alliance Introduction, CSCS Giovanni Crisonà
- 09.25 – 09.40 EACEA, Bernadette Forsthuber*
Sector Skills Alliances as support measure for economic development
- 09.40 – 10.00 European Commission, DG GROW, Niko Pantalos*
Task force for Advanced Manufacturing Technologies for Clean Production. Challenges and opportunities, an european perspective
- 10.00 – 10.20 National Council for Research CNR, Renzo Salimbeni
Emerging technologies in the transport sector within 3 priority dimensions selected by Skillman
- 10.30 – 11.20 Workshops (first round)
Emerging technologies and skill needs on:
1. *Robotics in advanced manufacturing*
- 11.20 – 11.40 SKILLMAN Alliance Networking Exercise
Coffee break
- 11.40 – 12.30 Workshops (second round)
Emerging technologies and skill needs on:
2. *Lightweight materials in maintenance of aircrafts*
- 12.30 – 13.30 Light lunch
- 13.30 – 14.20 Workshops (third round)
Emerging technologies and skill needs on:
3. *Wireless technologies in Industry 4.0*

Guest speakers:
euRobotics*
ABB*
COMAU*

Guest speakers:
Aerospace & Defence Industries Association of Europe*
EIT KIC on Raw Materials*

Guest speakers:
European Factories of the Future*
CISCO*

- 14.20 – 15.00 Innovating educational offer and qualification frameworks:
 Birmingham Metropolitan College, Mustafa Shevket
 EAL, David Morgan
 State of the art in UK
- CSCS, Stefano Tirati
 CEPAS, Rosanna Favorito
 State of the art in Italy
- TEC, Thomas Nørup
 Industriens Uddannelser, Lars Espersen
 State of the art in Denmark
- 15.00 – 15.30 SKILLMAN - Visiting Alliance Technology Marketplace
ARGON, 3D mearsuring, Leuven – Belgium*
VISLAB, driverless cars, Parma – Italy*
City of Ghoteborg, driverless cars, Ghoteborg – Sweden*
 Coffee break
- 15.30 – 16.00 CSCS, Giovanni Crisonà
 E-learning solutions and new learning paradigms
- 16.00 – 17.00 Panel Discussion
 How vocational education may support business world and
 technological innovations
 Facilitator: CNR, Renzo Salimbeni
 (EU) European Commission, DG GROW*
 Nikos Pantalos, Innovation Policy for Growth
 Turning challenges into opportunities
 (Serbia) Serbian Automotive Cluster*
 Igor Vijatov, Cluster Manager
 Managing skill needs in Serbia
- Conference Conclusions
- SKILLMAN Alliance Opening Ceremony*

Registrations

Participation to the conference is free of charge.

Places are limited and preliminary registration is compulsory via online form:
www.skillman.eu

Registrations close on 20th November 2015

** speakers to be confirmed*

