



FOCUS Consortium

FOCUS aims to:

Create clusters of FoF project activities, according to their objectives and addressed themes.

- Speeding up industrial exploitations
- Stimulating new networks
- Common business and commercial potentials
- Add value beyond the state of art
- Effective execution of activities
- Common interests
- Joint exploitation
- Roadmap



Horizon2020 project funded by DG Research & Innovation under grant agreement No.637090, coordinated by NTNU

REGISTER TODAY

On this link or at :

www.focusonfof.eu or www.4zdm.eu

Coordinator

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Email: Ragnhild.Eleftheriadis@ntnu.no

Who We Are

“Factory of the Future Clusters”

5 Existing European Manufacturing Project Clusters

- 4ZDM-Zero Defect manufacturing
- Clean Factory
- High Precision Manufacturing
- Robotics
- Maintenance & Support

The 5 clusters consist of:

- 30 existing or finished FoF Projects
- Approx. 360 partners



5 EUROPEAN MANUFACTURING PROJECT CLUSTERS

Zero Defect Manufacturing
Clean Factory
High Precision Manufacturing
Robotics
Maintenance & Support

“FACTORY OF THE FUTURE CLUSTERS”

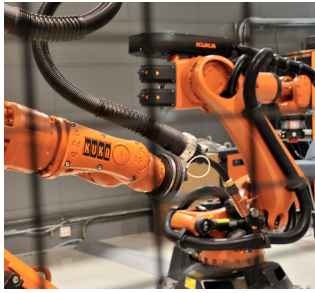
EXPERT WORKSHOP

CROWNE PLAZA HOTEL
BRUSSELS

FEBRUARY 16 - 2016



“The future FoF Priorities”



Clustering an effective way to enhance the impact of FoF projects

30 FACORY OF THE FUTURE PROJECTS

Zero Defect Manufacturing (4ZDM)

- IFaCOM
- MEGAFiT
- MuProd
- MiDDEMA

High Precision Manufacturing

- Hi-MICRO
- 3D-HipMAS
- HiPr
- SMART LAM
- μ -Fast
- FABIMED
- HINMICO
- Next Factory

Clean Factory

- AREUS
- EMC2-Factory
- ENEPLAN
- DAPhNE
- FACTORY-ECOMATION
- REEMAIN
- REFORM

Robotics

- CableBOT
- Thermobot
- Mainbot
- Autorecon
- Miror
- Comet
- X-act
- Fibremap

Maintenance & Support

- iMAIN
- SUPREME
- Power OM

TEN INTERNATIONAL INDUSTRIAL EXPERTS IN:

Zero Defect Manufacturing:

Dr. Makoto Fujishima, Mori Seiki,
DMG MORI Co. Ltd, Japan

Dr. Dan Frayssinet, Founder and CEO of
DP Technology,, USA

Clean Factory::

Prof. I.S. Jawahir,
University of Kentucky, USA

Prof. Yaoyao Fiona Zhao,
McGill University, Canada

High Precision Manufacturing:

Dr. Henny Spaan, IBS Precision
Engineering, Netherlands

Dr. Fukuo Hashimoto, Senior
Scientist, The Timken Company, USA

Robotics:

Clay Flannigan, SwRI Robotics and
Automation Engineering, USA

Arturo Baroncelli, Comau, Former
President international Federation of
Robotics, Italy

Maintenance:

Dr. Jason Tanter , Managing Director,
Founder of MOBIUS Institute – Australia

Dr. Maar Haarmann, Mainnovantion
B.V. Consultancy, Former Chairman of Dutch
Maintenance Association (NVDO)

Program

16th FEBRUARY 2016

CROWNE PLAZA HOTEL, Le Palace,
Rue Gineste 3 BRUSSELS

*Keynotes and the result from the
Cluster Workshop
with International Industrial Experts*

08..15 Registration, Network & Coffee

09.00 Welcome,
European Commission and NTNU

- **09.30 The FOCUS Project,**
Coordinator Dr. Myklebust
- **09.45 Introduction to 5 clusters,**
Professor. M. Colledani
- **10.00 Experts Presentations**
 - **Zero Defect Manufacturing**
 - **Clean Factory**
 - **High Precision Manufacturing**
 - **Robotics**
 - **Maintenance**

13.30-14.30 Lunch

14.30 The European view
Professor Engelbert Westkämfer

15.00 Panel discussion,
Experts, Cluster Leaders, Moderators

16.00 Summary Conclusions