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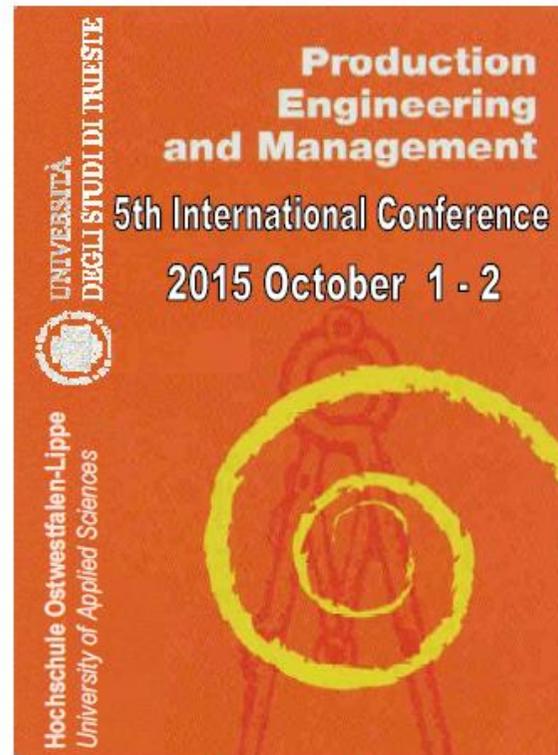
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Contacts

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Previous Conferences

1st - 2011 June 16-17 - Pordenone (I)
2nd - 2012 September 27-28 - Lemgo (D)
3rd - 2013 September 26 -27 - Trieste (I)
4th - 2014 September 25-26 - Lemgo (D)



Sponsorships



Supporters



UNIVERSITÀ
DEGLI STUDI DI TRIESTE

Hochschule Ostwestfalen-Lippe
University of Applied Sciences

5th International Conference

2015 October 1-2

PRODUCTION ENGINEERING AND MANAGEMENT

UNIVERSITY AND INDUSTRY: LINKS FOR INNOVATION AND MANAGEMENT

Aula 2 A (2nd floor)
Edificio H3

University of Trieste
Piazzale Europa, 1
Trieste

The modern European engineer: knowledge, technical competencies and intercultural communication skills

The University of Trieste and the University of Applied Sciences Ostwestfalen-Lippe introduced an International Double Degree Master Programme "Production Engineering and Management" in 2011.

The aim is to give students in Germany and Italy, but also from abroad, the chance to learn the necessary abilities from lecturers and from each other. The International Conference "Production Engineering and Management in Furniture Industry" was carried out for the first time in June 2011 and it is now at its fifth edition.

The conference is a platform aimed at presenting research projects, introducing young academics to the tradition of symposiums and, last but not least, promoting the exchange of ideas between the industry and the academy.

Aims of the conference

The conference has been established as an annual meeting in the context of the International MSc programme Production Engineering and Management between the two partners University of Trieste (I) and University of Applied Sciences Ostwestfalen-Lippe (D).

The conference aims:

- to present current results of research projects
- to discuss the recent developments in the management branch and society
- to bring together professionals, specialists and students
- to enable professionals, researchers and professors to exchange their experience
- to introduce young professionals and master students to the practice of scientific conferencing
- to offer master and Ph.D. students the chance to present their work
- to attract students to an international career in the management branch
- to encourage students to be open minded and broaden their own cultural horizons.

The Conference is a free event and it is a recognized educational event by the "Ordine degli Ingegneri di Trieste". It will grant up to 3 educational credits (CFP) to attendees of the full event.

Programme

Thursday 1st October: 12.00 registration

14.00 – Welcome addresses

14.15 – Plenary session

Pietro Bellotti - Federlegno Arredo Eventi S.p.A.

Topics of research and development in the wood and furniture industry in the world market

14.30 – Session Topic: Industrial Engineering and Lean Management

Chairman: W. Jungkind

L. Vozzi , Lima Corporate S.p.A.: *A lean transformation project a medical devices company: Lima Lean Enterprise*

- B. Nolte: *Comparison of Companies in Terms of the Applicability of Value-Stream-Design*

- V. Stanich, D. Kolich, N. Fafandjel: *Value Stream Mapping to transform shipbuilding to meet the needs of multiple industries*

- I. Gräßler, P. Taplick: *Interconnection of a system- and process - based matrix for Virtual Engineering on the basis of the Product Life Cycle*

- A. De Franceschi, A. Facchin, E. Padoano, D. Pozzetto: *Analysis and installation of a new line for assembling heat exchangers*

- I. Gräßler, A. Pöhler, Ph. Scholle: *CPPS-based market access opportunities for production capacity providers*

- Y. M. Alvarez Serrano, R. De Bortoli, D. Pozzetto: *Application of the 80/20 principle on margin contributions in manufacturing companies*

16.30 – 17.00 Coffee Break

17.00 – Session Topic: Technology and supporting services for manufacturing

Chairman: F.-J. Villmer

H. Kirchner, CyberTech S.r.l.: *Research and education opportunities in SMC: three observation from the field*

- C. Kortüm, A. Riegel: *Process Qualification in the Wood Industry*

- A. Huxol, A. Riegel, K. Dekomien: *Development of an algorithm for measuring the quality of high gloss surfaces correlated to human perception*

- F.J. Villmer, L. Witte: *Large Scale 3D Printers: The challenge of outgrowing Do-It-Yourself*

- D. Riediger, S. Hinrichsen, A. Schlee: *Ergonomic design of graphical control elements on production machines*

- A. Capíková, P. Čech, D. Tesařová: *Emissions of VOC and odors from polyurethane foams*

- P. Čech, D. Tesařová: *VOC emissions from Heat-Treated wood*

Friday 2nd October: 09.00

09.00 – Session Topic: Product life-cycle, from concept to market and use

Chairman: A. Riegel

D. Marini, Veolia S.p.A.: *The application of the QFD method to design a new type of evaporators*

- E. M. Scheideler, A. Ahlemeyer-Stubbe: *Data Mining: A potential detector to find failure in complex components*

- M. Merhar, D. Gornik Bučar, M. Gabrovšek: *The role of technological and geometrical parameters in the construction of wood milling tools*

- M. Kitek Kuzman, M. Kariž, A. Kutnar: *Development and Life Cycle Assessment of furniture for the Elderly*

- M. K. Niaki, F. Nonino: *The impact of additive manufacturing on firms' competitiveness: an empirical investigation*

- A. Huxol, F.J. Villmer: *Hybrid manufacturing machines: combining additive and subtractive manufacturing technologies*

- G. Deppe, T. Reiher, R. Koch: *Cost and lifetime benefits of a topology optimized aerospace part applying Additive Manufacturing*

11.00 – 11.30 Coffee Break

11.30 – Session Topic: Supply Chain design and management

Chairman: F. Sgarbossa

O. Imazio, Aligroup S.p.A.: *Lean Manufacturing Application at Polaris Refrigeration Factory*

- E. Dal Borgo, A. Meneghetti: *Sustainable logistic networks for Project Based Enterprises: an optimization model*

- F. C. Grossi: *An innovative modular Agribusiness Hub for the Volga Region*

- V. Pejić, T. Lerher, B. Gajšek: *A conceptual framework for lean and green model in internal logistics – How can we combine the two paradigms?*

- N. Casagrande: *Lean procurement and Supplier integration*

- F. Costantino, G. Di Gravio, R. Patriarca, M. Tronci: *Simulation model of spare parts management in a commercial pool contract*

- D. Battini, M. Calzavara, A. Persona, F. Sgarbossa: *Design of compact storage system*

- L. Li, L. Schulze: *Improving the Productivity of a Man-to-Goods Order Picking System through Optimization of Order Batching*

13.30 – 15.00 Lunch Break

15.00 – Session Topic: Management practices and methodology

Chairman: M. Nicolich

P. Pierdomenico, Wartsila Italia S.p.A.: *Use of simulation tools in the energy industry: some real cases*

- J. Ebert, C. Keller-Ebert: *Five steps to excellence with MSCDPS® - an integrated method that combines socio-scientific aspects and lean management*

- H.A. Medina Suni, C. Bianciardi, J. Guercini, P. Romano: *Critical factors to successfully develop A3 reports in healthcare sector*

- M. Tosic, D. Lisjak, D. Kolar: *Impact of the Key Performance Indicators on a maintenance process: a literature overview*

- D. Kolar, D. Lisjak, M. Tosic: *Application of data mining techniques in small-series job shop*

- U. Retti, S. Rigutto: *Flexible Manufacturing System design and optimization supported by simulation model*

- M. Sortino, S. Belfio, G. Totis, M. Nali: *Increasing the efficiency of manufacturing plants by process simulation and lean thinking*

- L. Lassig, M. Nicolich, C. Poloni: *Assembly Line Management: Multi-Objective Optimization*

M. Nicolich – F-J Villmer: Conclusion and introduction of the next Conference in Lemgo