

FAREWELL WORKSHOP

# The Design Research

## Sociotechnical Aspects of Quality, Creativity and Innovation

EVOLUTION  
EDIFICATION  
CHALLENGE

WORKSHOP VENUE

FSB, Council hall  
28<sup>th</sup> September 2018 at 09.00 AM

Organiser

CHAIR OF DESIGN AND  
PRODUCT DEVELOPMENT

[www.cadlab.fsb.hr](http://www.cadlab.fsb.hr)

cad lab

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## SCHEDULE

### 09:00 Evolution, moderator: Mario Štorga (FSB Zagreb)

Introduction & Welcome

Chris McMahon and Anja Maier, (DTU): **DESIGN, building a global, interdisciplinary community**

Panos Y. Papalambros, (University of Michigan): From Design Optimization to **Design Science: An Evolution in Design Thinking**

Tim McAlloone, Mogens Myrup Andreasen (DTU): **Designing a design conference in an emerging design science community: Experiences from the International Conference on Design (DESIGN)**

Discussion

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### 11:00 Edification, moderator: Margareta Norell Bergendhal (KTH, Stockholm)

Lucienne Blessing (SUTD Singapore), Christian Weber (TU Ilmenau), Mogens Myrup Andreasen, Daniela Pigosso (DTU): **The evolution of design research: a reflection on 20 years of training PhD students**

Peter Torlind (Lulea University of Technology): **The Impact of the ENDREA graduate research school in Sweden**

Ahmed Kovačević, (City, London), Jozef Duhovnik (University of Ljubljana), Imre Horvath (TU Delft), Dorian Marjanović (University of Zagreb FSB), Peter Horak (BME Budapest): **European Global Product Realisation - creativity and innovation in educating engineers and product designers of 21st Century"**

Sandor Vajna (OvGU Magdeburg): **Fundamentals of Integrated Design Engineering**

Discussion

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### 14:00 Challenge, moderator: Gaetano Cascini (Polimi, Milano)

Christian Weber (TU Ilmenau): What Does it Mean: „Quality of Engineering Design Research“?

Petra Badke-Schaub (TU Delft), Harald Schaub (IABG, Munich): Human-Centred Design Methodology as Bridge between Academic Research and Application Requirements

Udo Lindemann (TU Munich): Creativity – a Bottleneck in Engineering Design?

Imre Horvath (TU Delft): Design challenges of smart cyber-physical systems

Discussion

### 15:40 Summary & Conclusions

