29th CIRP Design Conference
Special Session on Education on Design for i4.0

May 8-10, 2018
PÓVOA DE VARZIM, PORTUGAL

Introduction

Education and training are crucial for both economic and social progress.

Industry 4.0 (i4.0) is relied on Information and Communication Technologies (ICT) as well as on emerging phenomena such as exponential technologies, connectivity, artificial intelligence, overall digitalization, and similar.
All these features implies a new technologies and methodologies for Education on Design for i4.0.

New education methodologies and novel learning methods on Design oriented to i4.0 will contribute for higher integration among academia and industry through sharing of good practices and cooperation.

Different paradigms of education emerged, such as Education 3.0, Social Network Based Education and Learning Factory. These paradigms are the result of developments in technology, education, economics and society, and employ disruptive methodology. The question is how these approaches could be used, or how these approaches are used, to improve Education on Design for i4.0

We are pleased to invite contributions to a Special Session on **Education on Design for i4.0** at the 29th CIRP Design Conference where we will explore the implications of **Education on Design for i4.0** throughout the engineering and product development value chains and the roles of research and education for advancing the state of the art in this area.

Call for Papers

You are cordially invited to submit a paper for a Special Session on **Education on Design for i4.0** at the 29th CIRP Design Conference. Original research papers, educational and industrial case studies, and editorial essays are all welcome. Papers must be original, unpublished, and written in English. Abstracts and papers will be reviewed by the Scientific Committee and the Session Chairs. Authors will be notified of the results via e-mail.

All accepted and presented papers will be published as Open Access papers in Procedia CIRP, and indexed in SCOPUS. At least one author of each accepted paper is expected to register and present the paper.

Topics

Topics of interest for the Special Session on **Education on Design for i4.0** include, but are not limited to:
- Education on Design curricula in the context of i4.0
- Education on Design education methodologies and tools in the context of i4.0
- Learning Factory for Education on Design in the context of i4.0
- Projects on Education on Design in the context of i4.0
- Case studies of Education on Design in the context of i4.0
- State of the Art of Education on Design in the context of i4.0
- The Need for Education on Design in the context of i4.0
- Education 2.0 and Education 3.0 paradigms for Education on Design in the context of i4.0
- Co-creation of Learning materials for Design in the context of i4.0
- and other topics

. Important Dates

Jan. 15, 2019	Abstracts Due
Jan. 20, 2019	Abstract Acceptance
Feb. 15, 2019	Full Papers Due
Mar. 15, 2019	Paper Acceptance
Mar. 31, 2019	Final Papers Due
Apr. 10, 2019	Early Registration Due
May 8-10, 2019	CIRP Design Conf

Venue

The conference will be held at the Axis Vermar Conference & Beach Hotel. For more information see:
https://www.cirpdesign2019.org/venue

General Contact

For general questions, please contact:
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Special Session Contact

For specific questions related to the special session, please contact:
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