

# PROCEEDINGS OF THE DESIGN SOCIETY

the **Design Society**  
a worldwide community



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## Welcome by the Committees

Welcome to ICED23, the 24<sup>th</sup> International Conference on Engineering Design. ICED is the flagship conference of the Design Society, with a very long tradition. People from all over the world come together to present their scientific work in design, and learn about new developments in design research. This year, the conference is hosted by the University of Bordeaux on the west campus of Montesquieu in Bordeaux France.

The theme for ICED23 is “*Design in a complex world.*” We have definitely entered a world full of promising technologies, a hyper-connected world where information is paramount. In such a world, true value creation for people and companies and simplicity of solutions will be the keys to success. Design must therefore reinvent itself by embracing the broader issues of designing complex systems. These complex systems are made up not only of physical products but also of automation, human services, process, organizations, infrastructures, skills training and a host of socio-technical, ethnological and cultural realities and socio-economic compromises. Where design paradigms are changing is that these complex systems are also made of people or actors, and include or are interfaced with other systems. We as a design society should participate to tackle these challenges by educating new generations and renewing theories and practices of design and engineering. ICED23 should be a unique opportunity to collectively discuss the state of the art and future of our discipline.

This year’s ICED continues with the successful structure of both discussion and podium sessions. Discussion sessions include four topical paper presentations with no questions, followed by a moderated discussion of the topic area with authors and the open audience. Podium sessions include more papers with traditional question and answer periods after each presentation. We also have several academic and industry keynote speakers. And we have a marketplace exhibition on Thursday’s coffee and lunch breaks for researchers to present their more interactive research demonstrators such as software and hardware. Through these formats we hope to foster new design oriented discussions and collaborations.

We hope you enjoy the conference, the engaging speakers and innovative design research presented and discussed. We hope you take time to enjoy the campus venue and the city and surroundings. We know you will leave Bordeaux with new knowledge, inspirations for innovative research ideas, new friends and colleagues, and we hope with the wish to visit with us again.

Welcome to ICED23!

## INTERNATIONAL CONFERENCE ON ENGINEERING DESIGN, ICED23

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