

3rd International Conference on

Computer Graphics & Animation

November 07-09, 2016 Las Vegas, USA



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Support Human-computer interaction to enhance computational engineering design

In this talk, Timos will emphasise on the importance of visualisation and human-computer interaction in engineering decision making. In particular, how interactive parallel coordinates visualisation is a key methodology to extract understanding from computational engineering design studies. Real world examples will also reveal how to link high level expectations and requirements of programs to key engineering performance characteristics and in extend to technical engineering design properties establishing communication between stakeholders and domain experts.

Biography

Timoleon Kipouros is Senior Researcher in Engineering Design Centre of Cambridge University, UK. He received his PhD, Engineering (Multi-objective Aerodynamic Design Optimisation) from Cambridge University. He is currently working on the development of High Performance Computing Distributed Design Optimisation Systems and Architectures for industrial applications, as well as human-in-the-loop Computational Engineering Design approaches. He currently works in the TOICA project among other, with emphasis on Value Driven Design and Visual Analytics for Engineering Design. He had good number of publications in reputed journals.

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