Workshop “Leveraging Virtual twins and AI in product design education”

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Over 30 years, **Xavier FOUGER** has established learning programs and advised educational institutions and governments across the world in establishing innovative engineering education programs focused on outcome based learning and employability. A member of the consultative board of the UNESCO Aalborg Centre for Problem Based Learning, he is an ASEE and a SEFI Fellow and earned the “Peter the First medal” of the Association for Engineering Education of Russia (AEER) and the “Nikola Tesla chain” of the International Society for Engineering Education (IGIP).

Today, Industry is utilizing virtual twins across the entire lifecycle of a product – from the conceptual stage all the way to end-of-life. For students, it is important to know how to create and use virtual twins. At the same time, virtual twins can similarly help students gain insights into the real-world scenarios. AI linked with the virtual twins enables a more efficient approach to design exploration. During the workshop, we wish to mention what virtual twins are, how they are used across Industries, showcase the use of AI in the design process and ultimately show the benefit of these two for education.