

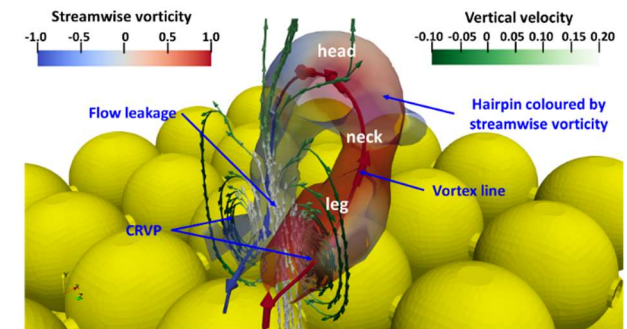
The Future of Thermal Engineering: A Journey with Artificial Intelligence

Date and Time: Wednesday, September 27, 2023, 14:00 – 16:30 UK time

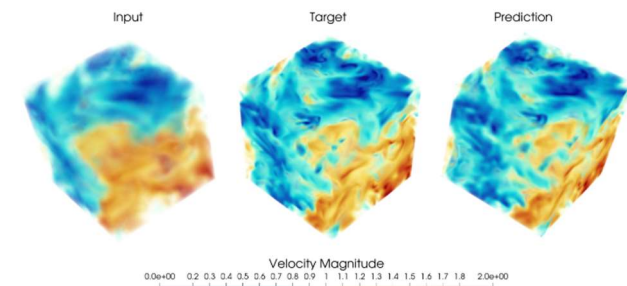
Location: Online meeting through Zoom (Link: <https://zoom.us/j/7919250945>)

Programme

Speaker	Affiliation	Title	Time
		Welcome & Introduction	14:00 – 14:05
Denis Battistella	NVIDIA (UK)	Artificial intelligence for a Sustainable Future: Applications, Models, and Infrastructure	14:05 – 14:35 5min Q&A
Hesam Tofighian	Karlsruhe Institute of Technology (Germany)	Enhancing Turbulent Flow Field through Super-Resolution Generative Adversarial Network (GAN)	14:40 – 15:10 5min Q&A
Mohammad Jadidi	University of Manchester (UK)	Application of Physics-Informed Neural Networks (PINN) in complex flow physics modelling	15:15 – 15:45 5min Q&A
Nima Bohlouli	ANSYS (USA)	Artificial intelligence/Machine learning Applied to Engineering Simulation	15:50 – 16:20 5min Q&A
		Discussion & Closure	16:25 – 16:30



Turbulence heat transfer mechanisms over porous media



Predicting high-resolution turbulent flow from low-resolution input (<https://docs.nvidia.com/deeplearning/modulus>)