cdmHUB News Letter

TexGen Workshop at Purdue

Issue 0

cdmHUB host TexGen Workshop

TexGen is open source software developed at the University of Nottingham for modelling of textile and textile composite structures www.texgen.sourceforge.net, with users worldwide.

- This interactive workshop will demonstrate the use of the TexGen graphical user interface (GUI) to create and edit 2D and 3D woven structures. An outline of the modelling theory used in the TexGen software will be given which will enable the user to make better use of the features available in the software for customising textile models.
- Python scripting for TexGen will be introduced and will be demonstrated both for editing models within the GUI and for creating custom scripts for maximum control over the textile structures created.
- An overview will be given of the use of TexGen as a pre-processor for generating textile models and its use in the multiscale modelling process, including export options which allow TexGen models to be easily exported to third-party software such as ABAQUS which can then be used in simulations for prediction of material properties.

The workshop will be held at the Composites Manufacturing and Simulation Centre, Purdue University Purdue.edu/cmsc and is free to attend but places are limited, so booking is essential. Participants will be required to bring their own laptops in order to follow the exercises.
For more information please contact:
Dr Louise Brown: louise.brown@nottingham.ac.uk, T: +44 115 9513979
Register via Eventbrite: https://www.eventbrite.com/e/texgen-workshop-a-practical-introduction-to-creating-textile-models-tickets-73971830737