

CAE Geometry Workshop, Murray Edwards College, Cambridge, 14-15 September 2017

G Butlin, Strategic Director, ITI, Cambridge. **Welcome to Cambridge.**

And to Murray Edwards College in particular. You are of course, well all you gentlemen, are privileged - because this college is one of the last few all female colleges in Cambridge, so, as a man it is not easy to get in !

We appreciate you all taking the trouble to travel here for our workshop. Some of you have come from the USA and Wenping from Hong Kong, and others from India and the rest of Europe.

The focus of this workshop is of course the focus of our company these days. Some of you know that we started out 39 years ago as a meshing company. But before long, we came to focus on geometry. But not geometry as most of the engineering world knows it.

CAD geometry is ubiquitous and seen as a huge commercial success. But our end of the geometry spectrum is struggling. For decades engineers have struggled to make use of CAD geometry for simulation. We have invested decades of effort in this struggle, and continue to work with our customers and academic collaborators, some here of course, to develop better tools to support engineering simulation.

So, we are hoping that these presentations today and tomorrow, together with all the discussions, will help us all to better understand some of the CAE Geometry issues we face.

Nigel Taylor, of MBDA, has generously and courageously accepted my invitation to endeavour to sum things up tomorrow afternoon, for which I hope you will all be able to stay.

Nigel has also agreed to chair our initial session, where I have challenged Mark Gammon, our technical director, to set the scene.