**Powdered-polymer Additive Manufacturing – why materials matter – Candice Majewski, University of Sheffield**
Polymer Additive Manufacturing processes are gaining increasing interest from industry, in particular with respect to geometric complexity and light-weighting applications.  This in turn leads to demand for development of a broader range of polymer materials, to meet a wider variety of application requirements.  Unfortunately (or fortunately for us as researchers!) not all materials work well for these processes.  This talk, focussing on powdered-polymer AM, will tell you everything you need to know about the interaction of materials and the processes themselves, what makes a 'good' material, and things to watch out for when using them.