

**Royal Academy of Engineering  
East Midlands Region Lecture Series**

**University of Nottingham**

**2 May 2019 5pm**

**Keighton Auditorium**

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**Tissue engineering scaffolds - the 'pore' relations?**

**Professor Serena Best FEng,  
Professor of Materials Science, University of Cambridge**

For many years, biomaterials have been used to replace human tissues damaged by injury or disease. However, more recently research has focused on ways to encourage the body to repair itself, by encouraging biological cells to assist in the regeneration process. For this reason, there is increasing interest in the design of appropriate biomaterial sponges or 'scaffolds'.

This talk will cover recent work that has been undertaken to optimise the structure and properties of scaffolds for a range of clinical applications in hard and soft tissue repair.

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