A key result of Borman-Eliashberg-Murphy in 2014 gave a dramatic advance in our understanding of contact topology in higher dimensions: using an h-principle argument, they extended Eliashberg’s classification of flexible contact structures in three dimensions to arbitrary dimension. This result generated a great deal of activity in high-dimensional contact topology, leading to a rapidly growing understanding of which aspects of the theory in three dimensions can be generalised to higher dimensions, and of new phenomena which arise in high dimensions. This LMS-CMI Research School will give students a comprehensive and accessible introduction to key aspects of contact topology in three dimensions and to the new frontier of high-dimensional contact topology. This is a unique opportunity for students and early-career researchers to get a hands-on guided tour of an exciting and fast-developing area of research from a world-leading team of experts.

The three main lecture course topics are:

- **Open book decompositions and applications.** (Vincent Colin, Université de Nantes.)
- **Applications of flexibility in high dimensional contact geometry** (Emma Murphy, MIT)
- **Contact topology and Heegaard Floer theory** (András Stipsicz, Alfréd Rényi Institute of Mathematics.)

These lecture courses will be supplemented by tutorial sessions. For further information please visit: [http://ow.ly/XAuob](http://ow.ly/XAuob).

**Apply by Monday 28 March 2016** (http://ow.ly/XAuqY). Places are limited and those interested are advised to make an early application. Research students, post-docs and those working in industry are invited to apply. "All applicants will be contacted within two weeks after the deadline; information about individual applications will not be available before then."

**Registration Fees**
- All research students: £150. There will be no charge for subsistence costs.
- All early career researchers: £250. There will be no charge for subsistence costs. Fees are payable only when a place on the course is offered. Fees are due by Friday 13 May 2016.

**Travel Costs**
- All UK-based participants must pay their own travel costs. For overseas-based participants, support will be available to contribute towards travel costs.