**PhD project title**  
Megaproject Management

**Supervisor**  
Chantal Cantarelli

**Research centre**  
CEES

**Project description**  
Megaprojects are large-scale, complex projects that typically cost US$1 billion or more, take many years to develop and build, involve multiple stakeholders (Flyvbjerg, 2014), and have substantial direct and indirect impacts on the community, environment, and budgets (FHWA in Capka, 2004). As such, megaprojects are a different type of project to manage (Flyvbjerg, 2014).

Megaproject management is an emerging area of study. Many studies have focused on construction risks but knowledge on other risks including operations and maintenance risks is becoming more important when taking a life cycle approach in managing megaprojects (Dimitriou et al., 2013). Furthermore, over the last years there has been an increased focus on improving public sector effectiveness for example by using private finance to fund public projects or by improving performance of projects to reduce waste of public resources.

Projects are often evaluated in terms of cost, time, and scope. With scope a particular challenge lies in measuring the benefits of megaprojects as they often come in years after the project has been implemented. Moreover, megaprojects often have an impact on the wider community and environment and a particular challenge is how to measure and include these organizational and societal outcomes in the evaluation (Fahri et al., 2015).

With an increasing concern about sustainability of our society, discussion has started about the role of megaprojects in realizing sustainable development. Incorporating sustainability requires a shift in focus from managing cost, time, and scope, to managing environmental, societal and economic impact (Silvius and Schipper, 2014).

Besides proposals that focus on these areas of risk management, public sector procurement, performance management and sustainable development, other areas of research with the focus on improving the planning and management of megaprojects will also be considered.

**References**

PhD candidate profile
The PhD candidate should meet the following requirements:

- Be enthusiastic, well-organised and have good inter-personal skills.
- High motivation and a keen interest in the research area.
- A first degree that is equivalent to a UK classification of upper second class honours or above. In addition, a good masters level qualification of merit or above, with a minimum of 60 per cent in the dissertation, research project element or equivalent experience. We also accept an MBA from an accredited school where the candidate can demonstrate that a significant research element has been undertaken. For further information on entry requirements, please see: http://www.sheffield.ac.uk/management/study/researchdegrees/howtoapply

Duration and start dates
Full or part time study for 3 or 6 years is available, and remote location study is also possible. We have two start dates a year for PhD students. Our preferred start date is 1 October, however we do recognise that not everyone will be able to commence studies at that time, so we also offer a second start date of 1 February. If you are unable to start in October or February, it may be also possible to start your PhD at a different time of the year.

Closing date for applications
Applications will be considered until a suitable candidate has been identified. For the 1 October start date, a full application must have been received by 15 July. For 1 February start date, a full application must have been received by 15 November.

How to apply
See http://www.sheffield.ac.uk/management/study/researchdegrees/howtoapply for full details of how to apply

For an informal discussion about this opportunity, please contact Chantal Cantarelli at c.c.cantarelli@sheffield.ac.uk.