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PhD Studentships in Health and Wellbeing, Sheffield Hallam University, UK

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PhD Research [Studentships](#) – 7 posts available

Faculty of Health and Wellbeing

[Sheffield Hallam University](#) – Sports [Engineering](#), [Biomechanics](#) and the Modelling of Sport and Health

Bursary £13,290

Tuition fees

Full time for 3 years

The Sports Engineering Research Group within the Faculty of Health and Wellbeing employs approximately 20 staff comprising research engineers, designers, sports scientists and PhD students. Clients include Adidas, Prince, Puma, UK Sport, British Swimming and the [International](#) Tennis Federation.

Following a very successful Research Assessment Exercise, the Sports Engineering Research Group in collaboration with the Health and Social Care Research Centre is seeking to recruit outstanding candidates to carry out multi-disciplinary PhD projects. The following projects are available immediately:

Biomechanics

The biomechanics of the golf swing;

The biomechanics of sports bras;

The dynamics of tennis shoe interactions with tennis courts.

Modelling

Pattern recognition in Olympic diving;

Optimal design of sports equipment using FE & CFD;

Modelling of cardio-vascular risk-reduction in discrete populations;

The effect of physical gaming interfaces on activity levels.

These projects will be suitable for applicants with a 1st or high 2i in a physical science such as [Mechanical](#) Engineering, Physics, [Mathematics](#), [Computer Science](#), and Sports Science or a related discipline. Ideal candidates should not be afraid of mathematics or programming and, in particular, we would like to hear from students with experience of MATLAB, image processing, [computational](#) fluid dynamics, finite elements analysis, biomechanics, and the support of elite athlete.

Candidates should have good analytical skills, tenacity and perseverance and be good in a team. An interest and knowledge of sport is desirable but not essential, as is direct experience of work in the sports sector.

Opportunities

The Sports Engineering Research Group and Health and Social Care Research Centre represent a fantastic opportunity for those seeking to gain experience of a multidisciplinary research environment and wish to have a career in the engineering, sport or health sectors. PhD students have the opportunity to travel overseas and support high profile consultancy projects within the groups.

Further information about the different roles is available from www.shu.ac.uk/jobs

Closing date: **9 November 2009**

[Competition](#) will be strong and candidates are encouraged to consider more than one project. Interviewing will take place in November with a preferred start date by 1st January 2010.

In the first instance please submit a full CV to:
Amanda Brothwell a.brothwell[at]shu.ac.uk
The Sports Engineering Research Group
Centre for Sport and Exercise Sciences
Faculty of Health and Wellbeing
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For more information please visit our website: <http://scholarshipsbank.com/phd-studentships-in-health-and-wellbeing-sheffield-hallam-university-uk/>

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