

*JSPS London Symposium Scheme*

# Sports Engineering: Engineering the Future of Sport



Thursday 24<sup>th</sup> February, 2011

Sir Dennis Rooke Conference Centre  
Loughborough University, U.K.

**Organised by:** Loughborough University, Tokyo Institute of  
Technology & JSPS London

**Contact:** Dr Ruth Goodridge, [R.D.Goodridge@lboro.ac.uk](mailto:R.D.Goodridge@lboro.ac.uk) (free to  
attend, but pre-registration necessary)

# UK-Japan Sports Engineering Symposium

Thursday 24th February, 2011

*Funded by JSPS, London (main sponsor) and the GB Sasakawa Foundation*

## Keynote Speakers

**Professor Mike Caine** (Loughborough University) *An overview of Sports Technology research within the UK*

**Professor Sadayuki Ujihashi** (Tokyo Institute of Technology) *History of Sports Engineering in Japan*

## Japanese Speakers

**Professor Taketo Mizota** (Fukuoka Institute of Technology) *Aerodynamic Analysis of Flight Trajectory of Sports Balls*

**Professor Sekiya Koike** (University of Tsukuba) *Quantification of the functional role of joint torques in sports motion based on multi-body dynamics*

**Professor Yoshihiko Kawazoe** (Saitama Institute of Technology) *Computer Aided Prediction and Estimation System for Tennis Racket Performance Considering Player's Individuality*

**Mr Katsumasa Tanaka** (Tokyo Institute of Technology) *FE simulation of golf impact*

## UK Speakers

**Professor Anthony Bull** (Imperial College, London) *Technology in cricket - the arm, the bat, & the ball / Biomechanics Research in Rowing - Performance & Injury Impact*

**Professor Eric Wallace** (University of Ulster) *Analysing golf performance – biomechanics and technology.*

**Professor David Kerwin** (University of Wales Institute Cardiff (UWIC)) *Title TBC*

**Professor Steve Haake** (Sheffield Hallam University) *Title TBC*

**Dr Ruth Goodridge** (Loughborough University) *Possibilities and current limitations of Additive Manufacturing for sports equipment.*

Wednesday 23<sup>rd</sup> February

Supporting Event

## **ASICS/MIZUNO Public Lecture**

*5.30 pm, Wolfson School, Main Lecture Theatre*

Dr Tsuyoshi Nishiwaki (General Manager for Asics) and Dr Takeshi Naruo (Chief Researcher, Mizuno), representing two of the largest Japanese sports goods companies, will be offering their perspective on sports technology R&D.