MSc Sports Engineering Alumni (2009-2018)

Graduates from the MSc Applied Sports Engineering course go onto secure positions in a wide range of world-leading sports companies (Adidas, Nike, Hawk-Eye), governing bodies (International Tennis Federation, Royal and Ancient, FIFA) and PhD research positions. We are very proud of the fact that around 70% of our graduates go on to secure jobs in the sports industry or continue their academic career with a sports-related PhD study. Our students out in the field act as our ambassadors for the course. Therefore, see a selection of our students below and comments around the course and where they are now.

Anukool Bharadwaj

Head - Research and Analysis
Olympic Gold Quest, India
Cohort 2012/2013

Q. Why did you choose to study Sports Engineering?

I have been a sportsman since a very young age having played national level hockey in India at the sub junior and junior age groups. I did my Engineering in Electronics in Mumbai University but I always wanted to work in sport. During my research on sports courses around the world I came across MSc Sports Engineering at SHU. The course content and structure really appealed to me. I felt that it would be an ideal application of my engineering knowledge to the world of sport. My research also revealed the Centre for Sports Engineering Research are the world leaders in the sports engineering field and this is why I chose to study Sports Engineering at SHU.

Johsan Billingham

Junior Manager
FIFA Quality Programme
Switzerland
Cohort 2014/2015

Q. What have you done since graduating?

Since graduating I moved to Switzerland to work for FIFA, in the FIFA Technology Innovation Department. The Football Technology Innovation Department deals with all new technologies in football (Video Assistant Refereeing & Electronic Performance Tracking Systems) as well as maintaining and developing current standards for our Football, Goal Line Technology and Artificial Turf programmes. I focus specifically on supporting our current quality programmes whilst leading and managing multiple research projects with the aim to further our current programmes and explore new ones.

Lorenzo Bossi

Video Assistant Referee
Operational Lead,
FFF - Federation Francaise de Football
Cohort 2013/2014

Q. How has this course helped you with your career?

My decision to pursue Sports Engineering studies was an abrupt change to my initial career plan, but I am definitely glad I made that decision. The course allowed me to discover all the aspects behind the world of engineering in sports, which in turns helped me orientating myself towards the fields I found the most interesting career-wise. In addition to that, the help, support and counsel from the Professors and staff also played a huge role in finding my new career aspirations.

Niccolo Campriani

Project Manager, International Olympic Committee, Switzerland

Cohort 2012/2013

Q. What have you done since graduating?

"After my graduation in Summer 2013 I decided to develop my own equipment and together with a small Italian manufacturing company I designed a new and innovative Air Rifle for competitive shooting sports, the same air rifle that I used at the Rio Olympic Games where I won 2 Gold medals. I also worked for a year at Ferrari within the Formula 1 department where I joined a team that looks to apply Ferrari's expertise to the national sporting cause across a range of disciplines".

Robi De

Senior Data Analyst BBC, UK

Cohort 2012/2013

Q. What advice would you give to future students?

"The main piece of advice would be to take an interest in all areas! Whether it be more traditional engineering aspects of sport such as mechanics, programming and statistics, or areas further afield like physiology, strength & conditioning, nutrition and physiotherapy - they are all equally important in the realm of sport. You might need to be an expert in one of these areas, however having a good grasp of what's going on in other areas is essential to being successful. In reality, the industry is quite small and you may not always get the pick of the jobs you want, so reading around your area could be what you need to get your foot in the door. Finally, grab any opportunity to get experience with both hands! They don't come along that often and this is something that all employers are after. Even if it's not in the exact area that you would like to work in, get involved".

Saeid Edriss

PhD Student, Latvian College of Sport Education, Latvia

Cohort 2016/2017

Q. What aspects of the course did you enjoy most?

Sheffield Hallam University has amazing facilities. During my dissertation I was involved with analysing football players' performance. It was a big honour for me to work with Sheffield United Academy. In addition, I learnt to work with different sports equipment and software. There is always someone in the lab to help and support you with the different equipment.

Nathan Elliott

R&D Engineer, Racket Sports
HEAD Sports, Austria
Cohort 2009/2010

Q. What have you done since graduating?

"Since graduating I completed an 8 month internship in the R&D department at Prince Sports in Italy. This lead to me doing a PhD as a member of CSER focusing on developing a marker-less method to track tennis racket movement in 3D using a camera. Following completion of my PhD, I gained a position as R&D Engineer (Racket Sports) at HEAD Sport in Austria, where I currently live and work. My role requires me to assist in the design, development and testing of all high-end tennis rackets produced by HEAD. This also involves travelling to China on a relatively regular basis to visit our exclusive factory where all the rackets are mass produced".

Kathy Fedirchuk

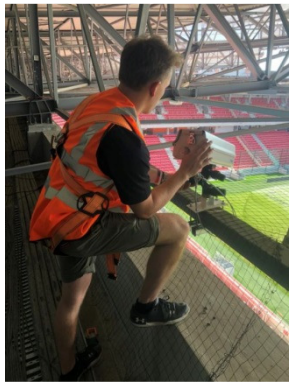
Hardware Quality Engineer
Bloomberg LP, USA
Cohort 2010/2011

Q. What advice would you give to future students?

"Go in with an open mind. I had some expectations of what I thought the course would be, but I was surprised by how much more was available to explore. It's great to be focused but sometimes the best opportunities are the ones you didn't see coming. Build strong engineering habits and they'll transfer to any context".

Sam Gardner

Football Systems Operator
Hawk-Eye Innovations
Cohort 2017/2018



Q. Why did you choose to study Sports Engineering?

I have always been interested and passionate about sports and technology and have always wanted a career where I could combine the two and the Sports Engineering course was the perfect stepping stone to do so.

James Gough

Manager of Ball Testing
The R&A, Scotland
Cohort 2012/2013

Q. What aspects of the course did you enjoy the most?

"The most enjoyable part for me personally was my project, which I did with Ping Golf. The project involved the prediction of the acoustic response of a golf ball/driver impact through lab testing and computer modelling software. Overall, it was a great course to be involved with as the students and the staff all share a common interest and a passion for engineering in sport. It was an enjoyable environment to be working in".

John Hale

PhD Research Student
University of Sheffield, UK
Cohort 2016/2017

Q. How has this course helped you with your career?

"Firstly, my skill set has developed massively. I have learnt how to program using new software, use motion capture systems and perform computer fluid dynamics simulations. Also, I believe the course has helped my confidence when approaching new projects".

Andy Hext

Researcher
Centre for Sports Engineering Research,
Sheffield Hallam University
Cohort 2011/2012

Q. Why did you choose to study Sports Engineering?

"Having always wanted to be involved in the sport sector (with, at the time, a particular focus on equipment design), I chose to study Sports Engineering in order to up-skill my expertise. The decision was made especially easy by having looked at the jobs that previous MSc students had acquired after completion of the course".

Dan Kamnikar-Lemcke
Applications Engineer
Weir Mineral, Texas, USA
Cohort 2016/2017

Q. How has this course helped you with your career?

"I increased my knowledge of physiology and how to analyse sport movements and equipment. In addition, I improved my research and development skills during my thesis project. This course also provided me with additional experience with computer programs such as Solidworks and Matlab. This knowledge and experience that I gained from this course has allowed me to build my resume and stand out to employers for job opportunities I want to pursue. It has also opened my mind to an overlapping field, Biomedical Engineering that I am working on entering for my future career".

Marcos Moya Benocomo
Lecturer
Techologico de Monterrey, Mexico
Cohort 2009/2010

Q. What aspects of the course did you enjoy most?

Doing and designing experimental testing. I was so amazed about how I could do engineering experiments in sports.

Melissa McKeveny
Sports Technologist
US Cycling & US Paracycling
Cohort 2016/2017

Q. Why did you choose to study Sports Engineering?

"My background prior to the course was on the applied sports science side, such as, physiology, nutrition, biomechanics and strength and conditioning. While I had this knowledge, I chose to study Sports Engineering to gain experience in industry and also exploit my technical analysis in sports performance".

Prasanth Peketi

Innovation Assistant Manager
Adidas, Portland, USA
Cohort 2015/2016

Q. What have you done since graduating?

"After graduation, I worked with CSER and Labosport to test the Ligue 1 stadiums in the south of France. Following that, I began working for the adidas FUTURE Engineering team in Herzogenaurach, Germany for a 6 month postgraduate placement".

Paul Ramirez

Data & Video Analyst
Rafa Nadal Tennis Academy
Spain
Cohort 2016/2017

Q. What have you done since graduating?

"I found my first job as a Tennis Systems Engineer with Hawk-Eye Innovations through a careers email sent by Sheffield Hallam University, so I've been travelling around the world following the professional tennis tour for the last year. My work was installing and calibrating the camera system in venues around the world, as well as operating it to provide players with the ability to "Challenge" calls, and to provide live stats to broadcasters. If you like geeky engineering and/or tennis, and want to travel the world free of cost, this is a job I thoroughly recommend!"

"Through this job I found the opportunity to move back to Spain and work in the implementation of technology at the Rafa Nadal Tennis Academy in Mallorca".

Silvia Rava

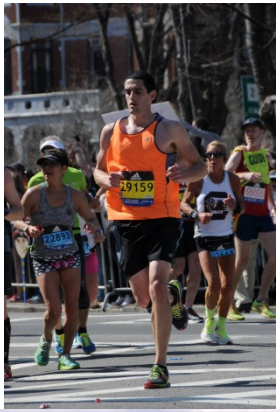
Engineer
3T Cycling, Italy
Cohort 2016/2017

Q. What aspects of the course did you enjoy the most?

"I enjoyed learning through making projects. I loved that I could carry on my own research project and I got support in that even though it was my own crazy idea. I learned a lot doing so".

Patrick Streeter

Senior Advanced Concept Engineer
New Balance, USA
Cohort 2013/2014

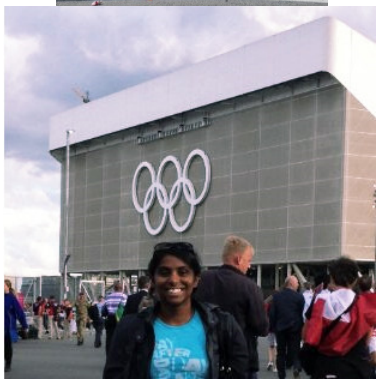


Q. How has this course helped you with your career?

"The MSc Sports Engineering course helped me to collaborate with my course mates on many group development and research projects; these opportunities put me in a position where I was able to be more confident in my decision making and research perspectives and opinions right away once I started working at New Balance. The research-driven nature of a lot of the projects that we did in this program was very open-ended which was something that I hadn't experienced in undergraduate coursework. The open-ended research-driven nature of the projects is definitely something that I continue to value and draw-upon in my day-to-day work".

Patty Srinath

Test and Validation Engineer Digital Sport at Nike, USA
Cohort 2010/2011



Q. What aspects of the course did you enjoy the most?

"Honestly, it's hard to pick! There were a lot of classes that I really enjoyed, but I think my favourite parts of the course had to do with learning about the sports engineering industry. This included visits to the ITF and McLaren, case studies about the history of engineering in sport, working with Adidas on my thesis and just learning about the type of research that was going on at the time"

Michael Thelwell

PhD Student, CSER, Sheffield Hallam University, UK
Cohort 2016/2017

Q. Why did you choose to study Sports Engineering?

"Sport has always been my passion and I have always been interested in how things work and how to make them better, which is what led me to doing my undergraduate degree in Sports Technology. After graduating I worked in the sports engineering industry, which I loved and confirmed that this was the field that I wanted my future career to be in. However, I quickly realised that to get the roles/projects I was interested in I was going to need more qualifications, which is what led me to do my masters in Sports Engineering".

Daniel Ura

Senior Research & Design Engineer,
Ping, USA
Cohort 2011/2012

Q. How has this course helped you with your career?

"Today, after a few years, I have realised that this change in my professional path helped me to realise that my true passion is Sports Engineering. This course helped me to obtain opportunities that I didn't imagine were possible to achieve before I attended the course. In my case, after finishing the Master's course, I was able to obtain an opportunity to work for the International Tennis Federation (ITF) as an intern for almost a year. The experience with the ITF was amazing, as I had the opportunity to attend some of the most prestigious tennis venues (e.g. Wimbledon centre court) to do surface testing and to do some high-speed video filming of professional tennis players".

Nicki Wiart

Product Developer
Reebok CCM Hockey, Canada
Cohort 2009/2010

Q. Why did you choose to study Sports Engineering?

"I chose to study Sports Engineering because I knew that when my competitive sports career was over I wanted sports to continue to be a part of my life. I knew that I didn't want to coach, but rather combine my passion for engineering and sports into the ultimate dream job".