

A woman with a prosthetic leg is running on a path in a park. She is wearing a colorful long-sleeved shirt and black shorts. A man in a light blue shirt and dark trousers is crouching on the grass next to her, smiling. The background shows trees and a body of water.

THE  
LONDON PROSTHETIC  
CENTRE  
Newsletter

### Issue 6 includes

- SocketMaster - the next step in socket technology
- Tallulah Smith on getting on with her life
- Review of ISPO 2017
- Abdo shares his clinical expertise with students
- We introduce the newest addition to our team - Sean Wood

# A message from the LPC team,

## Welcome to the latest newsletter for 2017!

We hope you've been enjoying the summer months so far, with plenty of sun around to get us all up and active and enjoying the great outdoors. In this issue we highlight an inspiring case study, updates on the SocketMaster progress and heartfelt feedback from students visiting our centre across the globe.

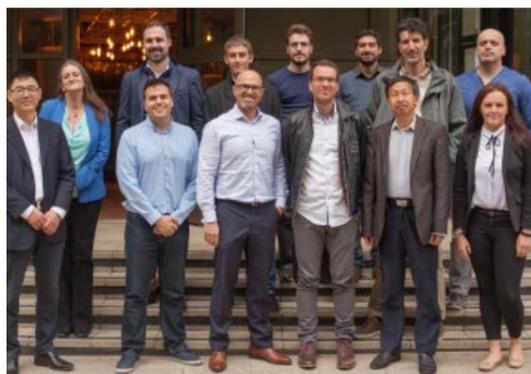
With so much going on at the LPC you can keep updated with everything by following us on Facebook and Twitter.

Warmest Regards,  
The LPC Team

## Your feedback matters:

- What do you think of our latest issue?
- What stories or content would you like to see covered in the next issues?
- Let us know by sending an email to: [lpcnews@thelondonprosthetics.com](mailto:lpcnews@thelondonprosthetics.com)

## SocketMaster – the next step in socket technology!



SocketMaster is a complete rethinking of the most crucial prosthetic component: the socket. The aim is to bring modern technology and innovative design to bear on a long-ignored pain point. With €4 million of funding from the European Commission's Horizon 2020 Research and Innovation programme, the project is progressing well.

Abdo Haidar together with seven leading European organisations and one university are working on a three-year project called SocketMaster. The genius thinking

behind the SocketMaster design is socket comfort-optimisation by the SocketMaster custom designed mechanical and electronic frame. With a rapid prototyping machine, it is envisaged that the design and fabrication of a well-fitted prosthetic socket can be completed within a few hours in the same day. In May, all seven partners (pictured above) met at the London Prosthetic Centre to set the benchmark of the SocketMaster prototype. Everyone was captivated by the device, especially with the micro-electronic sensors that measured the parameters relevant to comfort, such as pressure and friction between the socket and the residual limb.



The initial testing stage (pictured) was very successful with minor adjustments and definitive results. Abdo has confirmed that the final stage encompasses clinical trials of fifty lower limb amputees within the LPC in 2017. "I envisage a remarkable outcome for SocketMaster this year"

The LPC is the only private prosthetic clinic in the UK involved in research at this scale. For more information on the SocketMaster visit the project website [www.socketmaster.eu](http://www.socketmaster.eu).



## Tallulah Smith – Getting on with my life!

In 2012, Tallulah Smith was travelling to Peru on her gap year, when disaster struck: a bus travelling at high speed knocked her over. With vague and surreal memories, she woke up in hospital to discover her leg had been amputated below the knee in order to save her life.

Following her attendance to different private centres, Tallulah visited LPC to discuss her requirements and how the team could help improve her activity and comfort level. With Abdo's skills and experience he created a custom socket that enables Tallulah to be as active on the go without the need to change her leg every time she transitions into a new activity.

Despite being fitted with custom prosthesis a few years ago, Tallulah still remembers how delighted she felt, "Abdo gave me exactly what I wanted. It's my every day leg and is the most comfortable leg I have ever had. I can just start running when I want to and it feels fantastic to run because for so many years I couldn't." Since that day, Tallulah has been visiting Abdo at The London Prosthetic Centre for all her prosthetic care and now has a collection of prostheses including a new water leg! "My new water leg has a normal walking foot making it comfortable to walk on dry land but at the same time you can jump into the water at any time and get the leg fully wet without any concerns."

"Five years on from my first consultation with Tallulah it is very difficult to identify her as an amputee. She is the epitome of getting on with life despite the loss of her limb as she is so active and energetic, it's great to see such an exceptional woman adapt to her lifestyle with confidence." Abdo Haidar - Tallulah's prosthetist.

Take a look at some of the highlights of when the LPC visited Tallulah at work! From colleague banter and the hub bub of her desk activities, we even watched her thrash her colleagues at several games of table tennis!



To read Tallulah's story, visit [www.thelondonprosthetics.com](http://www.thelondonprosthetics.com).

## ISPO 2017 – South Africa

For the first time, ISPO's flagship meeting has gathered international participants on the African continent. The 16th World Congress was a unique interactive forum where professionals involved in the care of persons in need of prosthetic, orthotic, mobility and assistance devices came together to learn about the latest scientific and clinical advances, products, innovative technologies, designs and materials in prosthetic and orthotic care. The broad interdisciplinary programme featured symposia, instructional courses, exhibitor workshops, paper and poster presentations. Abdo was one of the speakers amongst specialists presenting on lower limb prosthetics. With a well turned session of over 50 people. Abdo presented his scientific paper about SocketMaster which was received with enthusiasm by the attendees. Abdo and representatives from Steeper Group met some outstanding guests and manufacturers showcasing their latest technology. ISPO has always proven an ideal platform for everyone within the Prosthetic and Orthotic industry to exchange, network and get closer to their customers.



## Our team is growing!

Sean Wood has just joined the LPC team as our newest technician.



Coming from a completely different background, Sean decided to try his skills at prosthetics 2 years ago and has grown from strength to strength. We are proud to have him on board and working closely with our long time technician Dennis!

# University Students from Australia and Manchester join Abdo for clinical experience

For the last twenty years, Abdo has been a clinical tutor for the University of Salford in the UK and lately the LaTrobe University in Australia. Recently, Felicity, Lauren and Ash all conducted a placement at the LPC and you can read all about their experiences below.

“I’ve learnt so much on my placement, both from Abdo’s knowledge/teaching and patient feedback. The time available for each patient really allows me to understand their prosthetic needs and Abdo won’t stop until it’s perfect. The whole team have welcomed me into LPC and made my time here really enjoyable whilst learning more than I ever could in a classroom.” Felicity Carroll.

“Just letting you guys know I arrived home safe this morning. Everyone at LPC was extremely friendly and welcoming to me for the whole 7 weeks I was there. I enjoyed every single day of my placement and learnt so much during my stay. Wishing you guys all the best with the future (and with SocketMaster!), I’ll be sure to keep in touch.” Ash Lucas.

“I just want to thank you for having me as your student - I feel like I have learnt so much in the short amount of time I was there. Thank you and your team for making me feel so welcome the whole time. You are utterly amazing at what you do, and I am so lucky to have had you as my mentor.” Lauren Bell.

Abdo always receives such an overwhelming, positive response from the students he mentors. Especially for taking the time to share his vast knowledge and experience with them and helping them develop their careers within the prosthetics industry. For more information on training and placement opportunities, please contact us at [lpnews@thelondonprosthetics.com](mailto:lpnews@thelondonprosthetics.com).



## Get moving, Get fit, Get active!

With the long summer days upon us it's the perfect time to improve your fitness or get together for a social event and meet new people. Why not visit the links below for more information on the latest activities!

Limbcare Fitness -Every Monday from 6:30-7:30pm  
[www.limbcare.org/wellbeing-limbcare.html](http://www.limbcare.org/wellbeing-limbcare.html)

Limbcare Charity Golf Day  
Friday 29th September at Royal Ascot GC, Berkshire  
[www.limbcare.org/events\\_golf\\_2017.html](http://www.limbcare.org/events_golf_2017.html)

## Making a difference for a good cause!

Aware of our potential to make a difference to the lives of people in need, this year, the London Prosthetic Centre has aligned our support to charitable organisations linked to the rehabilitation of amputees.

One of our long-term partners Limbcare will be hosting a charity golf day together with Disabled Golf Association and LPC are delighted to be sponsoring a four ball on the 29th September.

For more information on getting involved visit, [www.limbcare.org/events\\_golf\\_2017.html](http://www.limbcare.org/events_golf_2017.html)

