

Title: **The Future of Prosthetics: A User Perspective**

Authors: H.Jones, S.S.G. Dupan, K.Nazarpour

Presenter: Hannah Jones

Affiliation: Newcastle University, United Kingdom

E-mail: hannah.jones@newcastle.ac.uk

**Abstract:**

At the centre of prosthetic device development and clinical care are users with limb difference. To enable user needs to be addressed through the work of academia, the NHS and industry, a collaborative user-centred approach is needed, which can lead to better outcomes [Hickey et. al., 2018]. In December 2018, the Intelligent Sensing laboratory at Newcastle University will host a workshop with key collaborative stakeholders: academics, NHS clinicians, industry specialists, charity executives and users. The aim of the workshop is to identify user needs and establish how stakeholders can work together to address those needs over the next ten years. To date, a working group [Figure 1] has highlighted current user needs, which have been captured into six themes [Figure 2]. A user pre-workshop survey has been created to identify the most important themes that academia, the NHS and industry should focus upon. Preliminary data shows that all five users have selected Function as the most important. Since each user is completing the survey based on personal perspectives, themes such as Media vary in terms of importance. At TIPS2019, we will provide insights associated with each of the six themes, sourced from the pre-workshop survey and the content that will be captured during the workshop. The key focus areas for stakeholders will be shared, to ensure user needs are justly reflected through research and clinical care development, with an overarching potential to inform policy renewal within academia and healthcare.

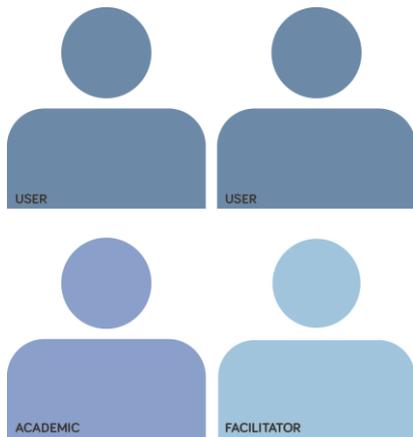


Figure 1: Working Group Members

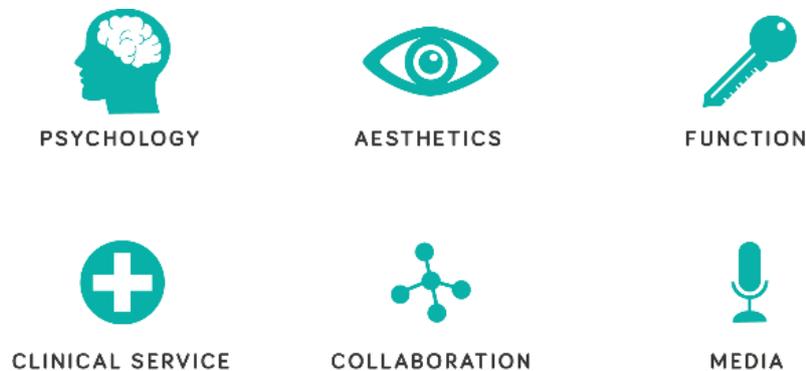


Figure 2: Workshop Themes

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## References

Hickey G, Richards T, Sheehy J. Co-production from proposal to paper. *Nature Comment*. <https://www.nature.com/articles/d41586-018-06861-9> (2018, accessed 18 October 2018).