

発表者プロフィール / Presenter Profile



名前	
Name	Sauvik Dasgupta
所属大学／所属機関	
University/Affiliation	AIST, Tokyo, Japan

発表テーマ／ Presentation Topic	Biomechanics of human movement - the Legacy and the Future!
発表のポイント／ Point of Presentation	The point of presentation is that as a biomechanicst, we are researching human and animal movement. Currently, we have to use costly and multiple cameras and force plates to capture precise and accurate movement in our laboratories. This is very costly, needs expertise, takes a lot of time to analyse and so, not scalable. So we are trying to research new techniques that can save time, money and becomes scalable throughout the world, across all laboratories.

プロフィール Profile	
自己紹介/Self-introduction	
<p>I am a postdoctoral research associate at AIST, Tokyo, Japan. I belong to the ExPART group of HARC unit, ITH department at AIST. My research focus is in biomechanics and energetics of human movement and I also have expertise in research with elderly. I have a B.Tech from India and a MS in Engineering & Technology from USA. I completed a joint doctorate with the Erasmus Mundus scholarship of the European Union (EU) at Vrije Universiteit, Amsterdam, The Netherlands and KU Leuven, Belgium.</p> <p>Apart from academia, I also have more than 8 years of academic entrepreneurial experience. I co-founded two academic startups in The Netherlands and in India by the name of Fitsurance (www.fitsurance.nl/en).</p>	
研究分野について/About study field	
<p>My study field is Biomechanics and Energetics of human movement. It is also known as Kinesiology in USA and is mainly allied with Sports science in Japan. In this field we study human movement from a combination of Physics and Physiology.</p>	
視聴者へのメッセージ Message to audience	
<p>My main message to audience is that through my research talk you will understand how we are trying to scale and democratize biomechanics experiments so that anyone can collect data, analyze and try to have insights into one's movement and physical fitness. This will allow even common people to know and practice biomechanics maybe on their smartphones in near future. As a result, our technology and research can help you to look at your daily activities, stay fit and healthy and always be active. These are very important in the current urban lifestyle to reduce sedentarism and inactivity.</p>	