**Some relevant Youtube resources for biomechanics…**

The purpose of this document is to provide a resource for biomechanists to review presentations from major biomechanics conferences, as well as some additional shorter resources more accessible to the general public (e.g. short videos suitable for use on social media, Ted Talks). This document will be updated when resources are available, if you have any suggestions for material suitable for inclusion please email [L.A.M.Furlong@lboro.ac.uk](mailto:L.A.M.Furlong@lboro.ac.uk).

**International Society of Biomechanics in Sports (**[**www.isbs.org**](http://www.isbs.org)**)**

**2015 Annual Conferences (Poitiers, France)**

*Dyson Award Lecture:*

Generating and applying knowledge in sports biomechanics - Richard Smith: <https://www.youtube.com/watch?v=ckwnXNvcGjA>

*Hans Gros Emerging Researcher Award :*

Measuring bilateral asymmetry in an athlete long-term - Kimitake Sato: <https://www.youtube.com/watch?v=8MwYkTtWAt0>

Image-based measurement and analysis of the knee joint - Tung-Wu Lu: <https://www.youtube.com/watch?v=Jzr-ka41mRs>

Physical activity in virtual reality - Franck Multon: <https://www.youtube.com/watch?v=dxTpekti-Oc>

Challenges for biomechanical approaches in winter sports: <https://www.youtube.com/watch?v=h6X2YO7RiC4>

Multilevel biomechanical modeling and sport movement - Guillaume Rao: <https://www.youtube.com/watch?v=fDUGhrVdmss>

The reorganisation of the neuromuscular system during ageing - Jacques Duchateau: <https://www.youtube.com/watch?v=nYAasnP7VPw>

**2018 Two Minute Tweet Competition:**

See main society channel link: [**https://www.youtube.com/channel/UCYkzE6y\_eKWa7KQOqZ6ZQUA**](https://www.youtube.com/channel/UCYkzE6y_eKWa7KQOqZ6ZQUA)

**International Society of Biomechanics (**[**https://isbweb.org/**](https://isbweb.org/)**)**

**2015 Conference (Glasgow, UK)**

*President’s Lecture:* John Challis: <https://www.youtube.com/watch?v=zlL1PN9ObH8>

*Muybridge Award Lecture* - Kai-Nan An: <https://www.youtube.com/watch?v=ouPYl6p_27Y>

History of biomechanics - Aurelio Cappozzo: <https://www.youtube.com/watch?v=JDJhts2usuM>

Sport biomechanics - Gert-Peter Brüggemann and Sharon Dixon: <https://www.youtube.com/watch?v=29q6bSiPj_0>

 Motor control - Carlo De Luca and Dario Farina: <https://www.youtube.com/watch?v=blr60hifD3I>

Tissue mechanics - Hazel Screen and Gerard Ateshian: <https://www.youtube.com/watch?v=lUINlPJqGiQ>

Hip biomechanics - Georg Bergmann and John Jeffers: <https://www.youtube.com/watch?v=J7Sti2DekQw>

Measurement technologies - Laurence Chèze and Claudia Mazzà: <https://www.youtube.com/watch?v=2-nuP9NoNwI>

Spine Biomechanics - Aboufazi Shirazi-Adl and Judith Meakin: <https://www.youtube.com/watch?v=fbPeYPFuE1E>

Knee biomechanics - Peter Walker and Mark Taylor: <https://www.youtube.com/watch?v=Q4DGrd0S63o>

**American Society of Biomechanics (**[**http://www.asbweb.org/**](http://www.asbweb.org/)**)**

**2016 Annual Conference**

Sheila Patek - Power plays in extreme animal motion: <https://www.youtube.com/watch?v=n4Ecj7VRe-A>

Hortobagyi - Biomechanical plasticity of human gait: <https://www.youtube.com/watch?v=iNXnklpUPkc>

Knudson - Application of tennis biomechanics: <https://www.youtube.com/watch?v=XGPDvZd4U-I>

Gross - Bone Mechanotransduction: A winding path through muscle, bone and nerve: <https://www.youtube.com/watch?v=1KQbxApDtX8>

**2017 Annual Conference**

Steele - Developing useful wearable technologies: Where does biomechanics fit? <https://www.youtube.com/watch?v=KIpMK1diweo>

Max Paquette and Blaise Williams: Use of biomechanics in clinic and in performance: practical applications: <https://www.youtube.com/watch?v=g73BhmPJRic>

Grabiner - …and one thing just led to another: <https://www.youtube.com/watch?v=fRUAWY-UDwY>

**Dynamic Walking:**

2013 Conference: full playlist available at <https://www.youtube.com/watch?v=UOtsEo3AtzE&list=PLVqaARCrz-m9aFEsen8fkW4ZjdaFqRoGL>

2018 Conference: full playlist available at <https://www.youtube.com/channel/UCHZb11CnaS7njhMLSIRxOYQ/videos>

**Relevant Ted Talks:**

Alena Grabowski - Put Yourself in Someone Else's Legs: <https://www.youtube.com/watch?v=XiLLZKp0ReA>

Daniel Wolpert: The real reason for brains: <https://www.youtube.com/watch?v=7s0CpRfyYp8>

David Epstein: Are athletes really getting faster, better, stronger? <https://www.youtube.com/watch?v=8COaMKbNrX0>