

Interaction Control in Humans and Robots

Etienne Burdet

Department of Bioengineering, Imperial College London

Bio

Etienne Burdet received the M.S. degree in mathematics, the M.S. degree in physics, and the Ph.D. degree in robotics from ETH-Zurich, Switzerland. He is currently a Professor and a Chair of human-robotics with Imperial College London. His main research interest includes human-machine interaction. He uses an integrative approach of neuroscience and robotics to investigate human sensorimotor control and to design efficient assistive devices and training systems for neurorehabilitation, which are tested in clinical trials.

List of References

- Li Y, Ganesh G, Jarrassé N, Haddadin S, Albu-Schaeffer A, Burdet E (2018), Force, impedance, and trajectory learning for contact tooling and haptic identification. IEEE Transactions on Robotics 34(5): 1170-82.
- Li Y, Eden J, Carboni G, Burdet E (2020), Improving Tracking through Human-Robot Sensory Augmentation. IEEE Robotics and Automation Letters 5(3): 4399-406.