

Professional Organizations

Tau Beta Pi (Engineering Honor Society)

Member Since 2008

Eta Kappa Nu (Electrical Engineering Honor Society)

Member Since 2009

Publications

Lee, T., Lycke, R., Lee, P., Cudal, C., Torolski, K., Bucherl, S., Molano, N., Auerbach, P., Talavage, T., Nauman, E. Distribution of Head Acceleration Events Varies by Position and Play Type in North American Football. *Clinical Journal of Sport Medicine*. (In Review)

Jang, I., Chun, I., Bari, S., Breedlove, E., Cummisky, B., Lee, T., Lycke, R., Poole, V., Shenk, T., Svaldi, D., Tamer, G., Leverenz, L., Nauman, E., Talavage, T. Every Hit Matters: White Matter Integrity Changes in High School Football Athletes Are Correlated with Repetitive Head Acceleration Event Exposure. *NeuroImage: Clinical*. (In Review)

Zhai, X., Nauman, E., Nie Y., Liao H., Lycke, R., Chen, W. Mechanical response of human muscle at intermediate strain rates. *Journal of Biomechanical Engineering*. (In Review)

Lycke, R., Walls, M., Calve, S. Computational modeling of developing cartilage using experimentally determined geometries and compressive moduli. *Journal of Biomechanical Engineering*. (In Review)

Lee, T., Lycke, R., Auger, J., Music, J., Dziekan, M., Newman, S., Talavage, T., Nauman, E. Head Acceleration Event Metrics in Youth Athletes More Dependent on Sport than Level of Play. *Journal of Applied Biomechanics*. (In Review)

Lycke, R., Kurfman, J., Nauman, E. (July 2018). A Model relating the Mechanical Properties of Neural Electrode Design and Chronic Neural Immune Response. World Congress of Biomechanics 2018 Conference. Dublin, Ireland.

Lin, J., Phillips, E., Riggins, T., Sangha, G., Chakraborty, S., Lee, J., Lycke, R., Hernandez, C., Soepriatna, A., Thorne, B., Yrineo, A., Goergen, C. (2015). Imaging of Small Animal Peripheral Artery Disease Models: Recent Advancements and Translational Potential. *International Journal of Molecular Sciences*, 16(5), 11131–11177. doi:10.3390/ijms160511131

Lycke, R., Parashar, A., & Pandey, S. (2013). Microfluidics-enabled method to identify modes of *Caenorhabditis elegans* paralysis in four anthelmintics. *Biomicrofluidics*, 7(6).