

Stanford



Tian Tan

Postdoctoral Scholar, Radiology

Bio

INSTITUTE AFFILIATIONS

- Member, Wu Tsai Human Performance Alliance

STANFORD ADVISORS

- Akshay Chaudhari, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **Effects of IMU Sensor-to-Segment Misalignment and Orientation Error on 3-D Knee Joint Angle Estimation** *IEEE SENSORS JOURNAL*
Fan, B., Li, Q., Tan, T., Kang, P., Shull, P. B.
2022; 22 (3): 2543-2552
- **Transfer Learning Improves Accelerometer-Based Child Activity Recognition via Subject-Independent Adult-Domain Adaption.** *IEEE journal of biomedical and health informatics*
Li, J., Kang, P., Tan, T., Shull, P. B.
2021; PP
- **Accurate Impact Loading Rate Estimation During Running via a Subject-Independent Convolutional Neural Network Model and Optimal IMU Placement** *IEEE JOURNAL OF BIOMEDICAL AND HEALTH INFORMATICS*
Tan, T., Strout, Z. A., Shull, P. B.
2021; 25 (4): 1215-1222
- **Magnetometer-Free, IMU-Based Foot Progression Angle Estimation for Real-Life Walking Conditions** *IEEE TRANSACTIONS ON NEURAL SYSTEMS AND REHABILITATION ENGINEERING*
Tan, T., Strout, Z. A., Xia, H., Orban, M., Shull, P. B.
2021; 29: 282-289
- **Influence of IMU position and orientation placement errors on ground reaction force estimation** *JOURNAL OF BIOMECHANICS*
Tan, T., Chiasson, D. P., Hu, H., Shull, P. B.
2019; 97: 109416
- **Resonant Frequency Skin Stretch for Wearable Haptics.** *IEEE transactions on haptics*
Shull, P. B., Tan, T., Culbertson, H. M., Zhu, X., Okamura, A.
2019