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### **List of Publications**

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#### **JOURNALS**

B. Chakravarthi, A. K. Patil, J. Y. Ryu, A. Balasubramanyam and Y. H. Chai, 2022, "Scenario-based Sensed Human Motion Editing and Validation through the Motion-Sphere," in IEEE Access.

Ryu, J., Patil, A.K., Chakravarthi, B., Balasubramanyam, A., Park, S. and Chai, Y., 2022. Angular features-based human action recognition system for a real application with subtle unit actions. IEEE Access.

Patil, A.K., Balasubramanyam, A., Ryu, J.Y., Chakravarthi, B. and Chai, Y.H., 2021. An Open-Source Platform for Human Pose Estimation and Tracking Using a Heterogeneous Multi - Sensor System. Sensors, 21(7), p.2340.

Patil, A.K., Balasubramanyam, A., Ryu, J.Y., Chakravarthi, B. and Chai, Y.H., 2020. Fusion of Multiple Lidars and Inertial Sensors for the Real-Time Pose Tracking of Human Motion. Sensors, 20(18), p.5342.

Balasubramanyam, A., Patil, A.K., Chakravarthi, B., Ryu, J.Y. and Chai, Y.H., 2020. Motion-Sphere: Visual Representation of the Subtle Motion of Human Joints. Applied Sciences, 10(18), p.6462.

Bharatesh Chakravarthi S. B., Prof. D. Jayaramaiah, 2013, Seamless Interoperability Across LTE And WiMAX Using Vertical Handover Mechanism, International Journal of Engineering Research & Technology (IJERT) Volume 02, Issue 06 (June 2013)

#### **CONFERENCES**

Balasubramanyam, A., Patil, A.K., Chakravarthi, B., Ryu, J. and Chai, Y.H., 2021, October. Kinematically Admissible Editing of the Measured Sensor Motion Data for Virtual Reconstruction of Plausible Human Movements. In 2021 IEEE International Conference on Systems, Man, and Cybernetics (SMC) (pp. 283-288). IEEE

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Kim, D., Chakravarthi, B., Kim, S.H., Balasubramanyam, A., Chai, Y.H. and Patil, A.K., 2020, March. MotionNote: A Novel Human Pose Representation. In 2020 IEEE Conference on Virtual Reality and 3D User Interfaces Abstracts and Workshops (VRW) (pp. 697-698). IEEE.

Chakravarthi, B, Joseph, M., Shuai, C., Kim, S.H. and Chai, Y.H., 2019. Quaternions Based Intuitive Visualization for Tracking Weightlifting Exercises. The Korean Institute of Information Scientists and Engineers, 2019, pp.1052-1054.

Patil, A.K., Chakravarthi, B., Kim, S.H., Balasubramanyam, A., Ryu, J.Y. and Chai, Y.H., 2019. Pilot Experiment of a 2D Trajectory Representation of Quaternion-Based 3D Gesture Tracking.

Lohith, J.J. and Chakravarthi, B., 2015, June. Intensifying the lifetime of Wireless Sensor Network using a centralized energy accumulator node with RF energy transmission. In 2015 IEEE International Advance Computing Conference (IACC) (pp. 180-184). IEEE.

Sincerely,  
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