

# 2018-Survey

とりあえず興味を持てそうなものを羅列していく

Year	Conf/Jour	Title	Link
2020	MobiCom	Deaf-aid: mobile IoT communication exploiting stealthy speaker-gyroscope channel	<a href="#">here</a>
2020	MobiCom	EarSense: earphones as a teeth activity sensor	<a href="#">here</a>
2020	MobiCom	TouchPass: towards behavior-irrelevant on-touch user authentication on smartphones leveraging vibrations	<a href="#">here</a>
2020	MobiCom	Heimdall: mobile GPU coordination platform for augmented reality applications	<a href="#">here</a>
2020	MobiCom	EargleEye: wearable camera-based person identification in crowded urban spaces	<a href="#">here</a>
2020	MobiCom	RFGo: a seamless self-checkout system for apparel store using RFID	<a href="#">here</a>
2020	MobiCom	Towards 3D human pose construction using wifi	<a href="#">here</a>
2020	MobiCom	FaceRevelio: a face liveness detection system for smartphones with a single front camera	<a href="#">here</a>
2020	MobiCom	Accelerometer-based smartphone eavesdropping	<a href="#">here</a>
2020	MobiCom	Design of an IoT-based water flow monitoring system	<a href="#">here</a>
2020	MobiCom	Toward a secure QR code system by fingerprinting screens	<a href="#">here</a>
2020	MobiCom	What you wear know how you feel: an	<a href="#">here</a>

		emotion inference system with multi-modal wearable devices	
2020	MobiCom	Sniffing visible light communication through walls	<a href="#">here</a>
2020	MobiCom	Ear-AR: indoor acoustic augmented reality on earphones	<a href="#">here</a>
2020	MobiCom	SociTrack: infrastructure-free interaction tracking through mobile sensor networks	<a href="#">here</a>
2020	MobiCom	Deep learning based wireless localization for indoor navigation	<a href="#">here</a>
2020	Sensors	Wireless Body Sensor Communication Systems Based on UWB and IBC Technologies: State-of-the-Art and Open Challenges	<a href="#">here</a>
2020	UbiComp	Deep generative cross-modal on-body accelerometer data synthesis from videos	<a href="#">here</a>
2020	HotMobile	Are Accelerometers for Activity Recognition a Dead End?	<a href="#">here</a> <a href="#">Youtube</a>
2020	UIST	MechanoBeat: Monitoring Interactions with Everyday Objects using 3D Printed Harmonic Oscillators and Ultra-wideband Radar	<a href="#">Youtube</a>
2020	UIST	Acoustico: Surface Tap Detection and Localization using Wrist-based Acoustic TDOA Sensing	<a href="#">Youtube</a>
2020	UIST	MonoEye: Multimodal Human Motion Capture System Using A Single Ultra-Wide Fisheye Camera	<a href="#">Youtube</a>
2020	UIST	Back-Hand-Pose: 3D Hand Pose Estimation for a Wrist-worn Camera via Dorsum Deformation Network	<a href="#">Youtube</a>
2020	UIST	Nimble: Mobile Interface for a Visual	<a href="#">Youtube</a>

		Question Answering Augmented by Gestures	
2020	UIST	IBUKI: Gesture Input Method Based on Breathing	<a href="#">Youtube</a>
2020	UIST	IoT Stickers: Enabling Lightweight Modification of Everyday Objects	Not yet
2020	UIST	Ele-Robo: Safety Monitoring Support Robot for Elders Using Power Waveform of Home Appliances	<a href="#">Youtube</a>
2020	UIST	Wearable Subtitles: Augmenting Spoken Communication with Lightweight Eyewear for All-day Captioning	Not yet
2020	UIST	Vide-Annotated Augmented Reality Assembly Tutorials	<a href="#">Youtube</a>
2020	UIST	Personalizing 3D Free-Hand Inputs for Intuitive Smartphone Augmented Reality	Not yet
2020	MobileHCI	A Survey of Patterns for Adapting Smartphone App UIs to Smart Watches	<a href="#">here</a>
2020	MobileHCI	VibroComm: Using Commodity Gyroscopes for Vibroacoustic Data Reception	<a href="#">here</a>
2020	MobileHCI	Distance-Dependent Barcodes for Context-Aware Mobile Applications	<a href="#">here</a>
2020	MobileHCI	Augmenting Public Bookcases to Support Book Sharing	<a href="#">here</a>
2020	MobileHCI	Evaluating Menu Techniques for Handheld AR with a Smartphone & Mid-Air Pen	<a href="#">here</a>
2020	MobileHCI	Headbang: Using Head Gestures to Trigger Discrete Actions on Mobile Devices	<a href="#">here</a>
2020	MobileHCI	Characterizing the Effect of Audio Degradation on Privacy Perception And Inference Performance in Audio-Based Human Activity Recognition	<a href="#">here</a>

2020	ICMI	MORSE: Multimodal sentiment analysis for Real-life Settings	<a href="#">here</a>
2020	Sensors	★Motion Capture Technology in Industrial Applications: A Systematic Review	<a href="#">here</a>
2020	Sensors	Sport-Related Human Activity Detection and Recognition Using a Smartwatch	<a href="#">here</a>
2020	Sensors	Incremental Learning to Personalize Human Activity Recognition Models: The Importance of Human AI Collaboration	<a href="#">here</a>
2020	Sensors	Physical Workload Tracking Using Human Activity Recognition with Wearable Devices	<a href="#">here</a>
2020	Sensors	Smartphone Location Recognition: A Deep Learning Based Approach	<a href="#">here</a>
2020	Sensors	Real-time Smartphone Activity Classification Using Inertial Sensors - Recognition of Scrolling, Typing, and Watching Videos While Sitting or Walking	<a href="#">here</a>
2020	Sensors	Zero-shot Human Activity Recognition Using Non-Visual Sensors	<a href="#">here</a>
2020	Sensors	★Human Activity Sensing with Wireless Signals: A Survey	<a href="#">here</a>
2020	Sensors	Finding Characteristics of Users in Sensory Information: From Activities to Personality Traits	<a href="#">here</a>
2020	Sensors	Measuring Biomechanical Risk in Lifting Load Tasks Through Wearable System and Machine-Learning Approach	<a href="#">here</a>
2020	Sensors	Racquet Sports Recognition Using a Hybrid Clustering Model Learned from Integrated Wearable Sensor	<a href="#">here</a>
2020	Sensors	A Smartphone Lightweight Method for Human Activity Recognition Based on	<a href="#">here</a>

		Information Theory	
2020	Sensors	Physiological and Behavior Monitoring Systems for Smart Healthcare Environments: A Review	<a href="#">here</a>
2020	Sensors	Analyzing the Effectiveness and Contribution of Each Axis of Tri-Axial Accelerometer Sensor for Accurate Activity Recognition	<a href="#">here</a>
2020	Sensors	Real-Time Hand Gesture Recognition Using Surface Electromyography and Machine Learning: A Systematic Literature Review	<a href="#">here</a>
2020	Sensors	A Deep Learning-Based Model for the Automated Assessment of the Activity of a Single Worker	<a href="#">here</a>
2020	Sensors	An Intelligent Non-Invasive Real-Time Human Activity Recognition System for Next-Generation Healthcare	<a href="#">here</a>
2020	Sensors	SemInput: Bridging Semantic Imputation with Deep Learning for Complex Human Activity Recognition	<a href="#">here</a>
2020	Sensors	Transition Activity Recognition System Based on Standard Deviation Trend Analysis	<a href="#">here</a>
2020	Sensors	Augmented Movelet Method for Activity Classification Using Smartphone Gyroscope and Accelerometer Data	<a href="#">here</a>
2020	Sensors	A Method for Sensor-Based Activity Recognition in Missing Data Scenario	<a href="#">here</a>
2020	Sensors	A Novel Surface Electromyographic Signal-Based Hand Gesture Prediction Using a Recurrent Neural Network	<a href="#">here</a>

2020	Sensors	★Hardware for Recognition of Human Activities: A Review of Smart Home and AAL Related Technologies	<a href="#">here</a>
2020	Sensors	★Deep Transfer Learning for Time Series Data Based on Sensor Modality Classification	<a href="#">here</a>
2020	Sensors	Badminton Activity Recognition Using Accelerometer Data	<a href="#">here</a>
2020	Sensors	★SALON: Simplified Sensing System for Activity of Daily Living in Ordinary Home	<a href="#">here</a>
2020	Sensors	Data Quality and Reliability Assessment of Wearable EMG and IMU Sensor for Construction Activity Recognition	<a href="#">here</a>
2020	IEEE	Human Motion Serialization Recognition with Through-the-wall Radar	<a href="#">here</a>
2020	IEEE	★Approaches and Applications of Early Classification of Time Series: A Review	<a href="#">here</a>
2020	IEEE	HierHAR: Sensor-based Data-driven Hierarchical Human Activity Recognition	<a href="#">here</a>
2020	IEEE	★Sensor Location Analysis and Minimal Deployment for Fall Detection System	<a href="#">here</a>
2020	IEEE	WiWeHAR: Multimodal Human Activity Recognition Using Wi-Fi and Wearable Sensing Modalities	<a href="#">here</a>
2020	IEEE	A 3DCNN-LSTM Hybrid Framework for sEMG-Based Noises Recognition in Exercise	<a href="#">here</a>
2020	IEEE	★FallAIID: An Open Dataset of Human Falls and Activities of Daily Living for Classical and Deep Learning Applications	<a href="#">here</a>
2020	IEEE	Deep Human Activity Recognition With Localisation of Wearable Sensors	<a href="#">here</a>

2020	IEEE	A New Framework for Smartphone Sensor based Human Activity Recognition using Graph Neural Network	<a href="#">here</a>
2020	IEEE	★Deep Neural Network-Based Indoor Emergency Awareness Using Contextual Information from Sound, Human Activity, and Indoor Position on Mobile Device	<a href="#">here</a>
2020	IEEE	★ProVAVIAR: Hybrid Data-Driven and Probabilistic Knowledge-Based Activity Recognition	<a href="#">here</a>
2020	IEEE	★Human Activity Recognition Based on Dynamic Active Learning	<a href="#">here</a>
2020	IEEE	★Impact of Wearable Measurement Properties and Data Quality on ADLs Classification Accuracy	<a href="#">here</a>
2020	IEEE	Control Your Home With a Smartwatch	<a href="#">here</a>
2020	IEEE	★8 Deep Thought and Other Oracles	<a href="#">here</a>
2020	IEEE	Efficient Human activity Recognition using a single Wearable Sensor	<a href="#">here</a>
2020	IEEE	Human Activity Discovery and Recognition Using Probabilistic Finite-State Automata	<a href="#">here</a>
2020	IEEE	★Sensing Technology for Human Activity Recognition: A Comprehensive Survey	<a href="#">here</a>
2020	IEEE	Activities of Daily Living Monitoring via a Wearable Camera: Toward Real-World Applications	<a href="#">here</a>
2020	IEEE	A Smartphone-Based Adaptive Recognition and Real-Time Monitoring System for Human Activities	<a href="#">here</a>
2020	IEEE PAMI	★Analysis of the hands in egocentric vision: A Survey	<a href="#">here</a>
2020	IEEE	A Wearable Magnetometer-Free Motion	<a href="#">here</a>

		Capture System: Innovative Solutions for Real-World Applications	
2020	IEEE	A Low-Cost Smart Glove System for Real-Time Fitness Coaching	<a href="#">here</a>
2020	IEEE	Dezert-Smarandache Theory-Based Fusion for Human Activity Recognition in Body Sensor Networks	<a href="#">here</a>
2020	IEEE	★On the Personalization of Classification Models for Human Activity Recognition	<a href="#">here</a>
2020	IEEE	Classifying Daily and Sports Activities Invariantly to the Positioning of Wearable Motion Sensor Units	<a href="#">here</a>
2020	IEEE	Context-Aware Human Activity Recognition in-the-Wild Using Smartphone Accelerometer	<a href="#">here</a>