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Adding Technologies to Business

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EMBEDDED SYSTEM IEEE PROJECTS YEAR 2021-2022

CODE	TITLE	DOMAIN	YEAR
LTEM01	Development of High-Performance Force Sensing Fast Tool Servo	EMBEDDED	2021-2022
LTEM02	Reputation-Based Method to Deal with Bad Sensor Data	EMBEDDED	2021-2022
LTEM03	Biosensors: A Smart Portable Potentiostat With Advanced Cloud-Enabled Features	EMBEDDED	2021-2022
LTEM04	A Field Study of Internet of Things-Based solutions for Automatic Passenger Counting	EMBEDDED	2021-2022
LTEM05	Smart Phone based indoor tracking in Multiple floor Scenarios	EMBEDDED	2021-2022
LTEM06	Detection of Unsupervised Standardized Gait Tests From Real-world Inertial Sensor Data in Parkinson's Disease	EMBEDDED	2021-2022
LTEM07	A Survey on Motion Prediction of Pedestrians and Vehicles for Autonomous Driving	EMBEDDED	2021-2022
LTEM08	Safety Embedded Control of Nonlinear Systems via Barrier States	EMBEDDED	2021-2022
LTEM09	RobHand: A Hand Exoskeleton With Real-Time EMG-Driven Embedded Control Quantifying Hand Gesture Recognition Delays for Bilateral Rehabilitation	EMBEDDED	2021-2022
LTEM10	Real-Time Defect Detection of Track Components: Considering Class Imbalance	EMBEDDED	2021-2022

	and Subtle Difference Between Classes		
LTEM11	A Novel Intelligent Garbage Classification System Based on Deep Learning and an Embedded Linux System	EMBEDDED	2021-2022
LTEM12	Design, Development and Evaluation of an Intelligent Animal Repelling System for Crop Protection Based on Embedded Edge-AI	EMBEDDED	2021-2022
LTEM13	Blockchain and AI-Empowered Social Distancing Scheme to Combat COVID-19 Situation	EMBEDDED	2021-2022
LTEM14	Ring-Embedded Micro-Power mm-Sized Optical Sensor for Accurate Heart Beat Monitoring	EMBEDDED	2021-2022
LTEM15	Low-Cost Embedded Real-Time Handheld Vibration Smart Sensor for Industrial Equipment Onsite Defect Detection	EMBEDDED	2021-2022
LTEM16	Dual-Loop Continuous Control Set Model-Predictive Control for a Three-Phase Unity Power Factor Rectifier	EMBEDDED	2021-2022
LTEM17	Fast and Efficient Group Key Exchange in Controller Area Networks(CAN)	EMBEDDED	2021-2022
LTEM18	Industrial Automation as a Service: A New Application to Industry 4.0	EMBEDDED	2021-2022
LTEM19	Control Protocol Design and Analysis for Unmanned Aircraft System Traffic Management	EMBEDDED	2021-2022
LTEM20	Dynamic Properties of ElectroChemical Oxygen Gas Sensor and Method to Estimate of New Steady-State	EMBEDDED	2021-2022
LTEM21	Smart Home Automation Using Intelligent Electricity Dispatch	EMBEDDED	2021-2022
LTEM22	Teaching Embedded Systems and Internet-of-Things Supported by Multiobjective Remote Laboratories	EMBEDDED	2021-2022
LTEM23	Design for Piezoelectric MEMS Accelerometer Module and its Application in Surface Roughness Prediction of Fused Silica Substrate	EMBEDDED	2021-2022
LTEM24	An Energy-Autonomous Chemical Oxygen Demand Sensor Using a Microbial Fuel Cell and Embedded Machine Learning	EMBEDDED	2021-2022
LTEM25	Battery-Less NFC Bicycle Tire Pressure Sensor Based on a Force-Sensing Resistor	EMBEDDED	2021-2022

LTEM26	Online Robot Trajectory Optimization for Persistent Environment Monitoring	EMBEDDED	2021-2022
LTEM27	Pattern Extraction From Industrial Alarm Flood Sequences by a Modified CloFAST Algorithm	EMBEDDED	2021-2022
LTEM28	Dynamic Edge and Cloud Service Integration for Industrial IoT and Production Monitoring Applications of Industrial Cyber-Physical Systems	EMBEDDED	2021-2022
LTEM29	Smart Meters Enabling Voltage Monitoring and Control: The Last-Mile Stability Issue	EMBEDDED	2021-2022
LTEM30	Scalable Wireless Wearing Monitoring System for Harsh Industrial Environment	EMBEDDED	2021-2022
LTEM31	Design and Application of a Low-Cost, Low-Power, LoRa-GSM, IoT Enabled System for Monitoring of Groudwater Resources With Energy Harvesting Integration	EMBEDDED	2021-2022
LTEM32	Detection and Identification of Mobile Network Signals	EMBEDDED	2021-2022
LTEM33	Comparison of Average Total EMF Exposure for Microcell/Macrocell Topologies Using Novel Methodology Based on Operational Network Measurements	EMBEDDED	2021-2022
LTEM34	Cable Current Detection With Passive RF Sensing Tags	EMBEDDED	2021-2022