

## 2016 EMBEDDED IEEE PAPERS

CODE	PROJECT TITLE	MONTH	AREA
STS-EMB1	Emergency Traffic-Light Control System Design for Intersections Subject to Accidents	January-16	2016- Robotics, Vehicles and Traffic Controls
STS-EMB2	A Smart Helmet for Air Quality and Hazardous Event Detection for the Mining Industry	March-16	
STS-EMB3	AUTOMATIC TOLL E-TICKETING SYSTEM FOR TRANSPORTATION SYSTEMS	March-16	
STS-EMB4	A Real-Time Embedded System for Monitoring of Cargo Vehicles Using Controller Area Network (CAN)	March-16	
STS-EMB5	Joint Wheel-Slip and Vehicle-Motion Estimation Based on Inertial, GPS, and Wheel-Speed Sensors	April-16	
STS-EMB6	An Efficient Scheme for Tag Information Update in RFID Systems on Roads	April-16	
STS-EMB7	Energy-Efficient Intelligent Street Lighting System Using Traffic-Adaptive Control	July-16	
STS-EMB8	Real-Time Global Localization of Robotic Cars in Lane Level via Lane Marking Detection and Shape Registration	April-16	
STS-EMB9	Daytime Preceding Vehicle Brake Light Detection Using Monocular Vision	January-16	
STS-EMB10	Auto Calibrated Head Orientation Controller for Robotic-Wheelchair Using MEMS Sensors and Embedded Technologies	April-16	
STS-EMB11	DASITS: Driver Assistance System in Intelligent Transport System	March-16	
STS-EMB12	Front Moving Object Detection for Car Collision Avoidance Applications	January-16	
STS-EMB13	A Novel Eye-Gaze-Controlled Wheelchair System for Navigating Unknown Environments: Case Study With a Person With ALS	March-16	
STS-EMB14	Smart Grid Implementation to Overcome Electric Power System Stress Conditions through Demand Response in Pakistan	January-16	
STS-EMB15	Road Slope Aided Vehicle Position Estimation System Based on Sensor Fusion of GPS and Automotive Onboard Sensors	August-16	
STS-EMB16	Railway Track Circuit Fault Diagnosis Using Recurrent Neural Networks	April-16	
STS-EMB17	Configurable ZigBee-based Control System for People with Multiple Disabilities in Smart Homes	March-16	2016- Bio Medical
STS-EMB18	Blind User Wearable Audio Assistance for Indoor Navigation Based on Visual Markers and Ultrasonic Obstacle Detection	January-16	
STS-EMB19	Milk products monitoring system with arm processor for early detection of microbial activity	March-16	
STS-EMB20	Fall Detection and Prevention Control Using Walking-Aid Cane Robot	March-16	
STS-EMB21	Development and Integration of a HEMS with an Advanced Smart Metering Infrastructure	January-16	

STS-EMB22	A Web-based Office Climate Control System using Wireless Sensors	July-16	<b>2016- IOT and Application</b>
STS-EMB23	Smartphone Enabled Intelligent Surveillance System	March-16	
STS-EMB24	Monitoring Aquatic Debris Using Smartphone-Based Robots	June-16	
STS-EMB25	Design and Implementation of Interoperable IoT Healthcare System Based on International Standards	January-16	
STS-EMB26	An Internet-of-Things Enabled Connected Navigation System for Urban Bus Riders	April-16	
STS-EMB27	Voice-Activity Home Care System	February-16	
STS-EMB28	Monitoring Activities of Daily Living in Smart Homes	March-16	
STS-EMB29	Early Warning of Acute Decompensation in Heart Failure Patients Using a Non-Contact Measure of Stability Index	January-16	
STS-EMB30	A Survey on Gas Leakage Source Detection and Boundary Tracking with Wireless Sensor Networks	May-16	