Analysis of common rail pressure signal of dual-fuel large industrial engine for identification of injection duration of pilot diesel injectors
Research output: Scientific - peer-review › Article

Situation Awareness Framework for Multi-machine Environments: An Application to Operator Assistive Collision Warning System
Research output: Scientific - peer-review › Article

Management of distributed knowledge encapsulated in embedded devices
Research output: Scientific - peer-review › Article

Binomial Gaussian mixture filter
Research output: Scientific - peer-review › Article

CytoSpectre: A tool for spectral analysis of oriented structures on cellular and subcellular levels
Research output: Scientific - peer-review › Article

Automatic image-based detection and inspection of paper fibres for grasping
Research output: Scientific - peer-review › Article

Context-aware knowledge-based middleware for selective information delivery in data-intensive monitoring systems
Research output: Scientific - peer-review › Article

A knowledge-based solution for automatic mapping in component based automation systems
Research output: Scientific - peer-review › Conference contribution

From artificial cognitive systems and open architectures to cognitive manufacturing systems
Research output: Scientific - peer-review › Conference contribution

Knowledge-driven finite-state machines. Study case in monitoring industrial equipment
Research output: Scientific - peer-review › Conference contribution

Representation of manufacturing equipment and services for OKD-MES: From service descriptions to ontology
Research output: Scientific - peer-review › Conference contribution

Towards processing and reasoning streams of events in knowledge-driven manufacturing execution systems
Modeling and Experimental Characterization of Pressure Drop in Gravity-Driven Microfluidic Systems
Research output: Scientific - peer-review › Conference contribution

A model based analysis of the measurement errors in inductively coupled passive resonance sensors
Research output: Scientific - peer-review › Conference contribution

Architecture for Open, Knowledge-Driven Manufacturing Execution System
Research output: Scientific - peer-review › Conference contribution

Motion Model for Positioning with Graph-Based Indoor Map
Research output: Scientific - peer-review › Conference contribution

Ontology-Based Backend Engine for Manufacturing and Logistics Systems
Research output: Scientific - peer-review › Chapter

Parameters affecting the energy performance of the transport sector in smart cities
Research output: Scientific - peer-review › Conference contribution

Semantic-Driven CEP for Delivery of Information Streams in Data-Intensive Monitoring Systems
Research output: Scientific - peer-review › Conference contribution

Anomaly detection for communication network monitoring applications
Kumpulainen, P. 14 Mar 2014 Tampere: Tampere University of Technology. 172 p. (Tampere University of Technology. Publication; no. 1192)
Research output: Monograph › Doctoral Thesis

A framework for fast low-power multi-sensor 3D scene capture and reconstruction
Research output: Scientific - peer-review › Conference contribution

Detection of Prostate Cancer by an Electronic Nose; A Proof of Principle Study
Research output: Scientific - peer-review › Article

Ecosystemic relational capital: framework and process for measuring it