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 › Conference contribution

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  
Research output: Scientific - peer-review › Conference contribution

Modeling and Experimental Characterization of Pressure Drop in Gravity-Driven Microfluidic Systems  
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
Research output: Scientific - peer-review » Conference contribution
Insights for orchestrating innovation ecosystems: the case of EIT ICT Labs and data-driven network visualisations
Research output: Scientific - peer-review › Article

Modeling Drug Delivery in Gravity-Driven Microfluidic System
Research output: Scientific - peer-review › Conference contribution

New Insights for Relational Capital
Research output: Scientific - peer-review › Conference contribution

Perusteita seuraavan sukupolven metsävarajärjestelmälle - Forest Big Data -hanke
Research output: Scientific › Article

Analysing 3G radio network performance with fuzzy methods
Research output: Scientific - peer-review › Article

Bayesian analysis of GUHA hypotheses
Research output: Scientific - peer-review › Article

Capacitive facial activity measurement
Research output: Scientific - peer-review › Article

Device self-calibration in location systems using signal strength histograms
Research output: Scientific - peer-review › Article

EANN 2012: exploratory analysis of mobile phone traffic patterns using 1-dimensional SOM, clustering and anomaly detection
Research output: Scientific - peer-review › Article