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
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Towards processing and reasoning streams of events in knowledge-driven manufacturing execution systems
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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

Architecture for Open, Knowledge-Driven Manufacturing Execution System

Motion Model for Positioning with Graph-Based Indoor Map

Ontology-Based Backend Engine for Manufacturing and Logistics Systems

Parameters affecting the energy performance of the transport sector in smart cities

Semantic-Driven CEP for Delivery of Information Streams in Data-Intensive Monitoring Systems

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)

A framework for fast low-power multi-sensor 3D scene capture and reconstruction

Detection of Prostate Cancer by an Electronic Nose; A Proof of Principle Study

Ecosystemic relational capital: framework and process for measuring it
Insights for orchestrating innovation ecosystems: the case of EIT ICT Labs and data-driven network visualisations
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Modeling Drug Delivery in Gravity-Driven Microfluidic System
Research output: Scientific - peer-review › Conference contribution

New Insights for Relational Capital
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Research output: Scientific › Article

Analysing 3G radio network performance with fuzzy methods
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Bayesian analysis of GUHA hypotheses
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Capacitive facial activity measurement
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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
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