Rajala, Miika; Ritala, R. / Situation Awareness Framework for Multi-machine Environments: An Application to Operator Assistive Collision Warning System.  
Research output: Scientific - peer-review › Article

Ramis Ferrer, Borja; Iarovyi, Sergii; Gonzalez, Luis; Lobov, Andrei; Martinez Lastra, Jose L. / Management of distributed knowledge encapsulated in embedded devices.  
Research output: Scientific - peer-review › Article

Raitoharju, Matti; Ali-Löytty, Simo; Piché, Robert / Binomial Gaussian mixture filter.  
Research output: Scientific - peer-review › Article

Kartasalo, Kimmo; Polonen, Risto-Pekka; Ojala, Marisa; Rasku, Jyrki; Lekkala, Jukka; Aalto-Setälä, Katriina; Kallio, Pasi / CytoSpectre: A tool for spectral analysis of oriented structures on cellular and subcellular levels.  
Research output: Scientific - peer-review › Article

Hirvonen, Juha; Kallio, Pasi / Automatic image-based detection and inspection of paper fibres for grasping.  
In: IET Computer Vision, Vol. 9, No. 4, 01.08.2015, p. 588-594.  
Research output: Scientific - peer-review › Article

Evchina, Yulia; Puttonen, Juha; Dvoryanchikova, Aleksandra; Martinez Lastra, Jose Luis / Context-aware knowledge-based middleware for selective information delivery in data-intensive monitoring systems.  
In: Engineering Applications of Artificial Intelligence, Vol. 43, 08.2015, p. 111-126.  
Research output: Scientific - peer-review › Article

Ferrer, Borja Ramis; Ahmad, Bilal; Lobov, Andrei; Vera, Daniel; Martinez Lastra, Jose L. Martinez; Harrison, Robert / A knowledge-based solution for automatic mapping in component based automation systems.  
Research output: Scientific - peer-review › Conference contribution

Iarovyi, Sergii; Martinez Lastra, Jose L.; Haber, Rodolfo; del Toro, Raul / From artificial cognitive systems and open architectures to cognitive manufacturing systems.  
Research output: Scientific - peer-review › Conference contribution

Gonzalez Moctezuma, Luis E.; Ferrer, Borja Ramis; Xu, Xiangbin; Lobov, Andrei; Martinez Lastra, Jose L. / Knowledge-driven finite-state machines. Study case in monitoring industrial equipment.  
Research output: Scientific - peer-review › Conference contribution

Iarovyi, Sergii; Ramis, Borja; Xu, Xiangbin; Sampath, Anisa; Lobov, Andrei; Martinez Lastra, Jose L. / Representation of manufacturing equipment and services for OKD-MES: From service descriptions to ontology.  
Research output: Scientific - peer-review › Conference contribution

Ferrer, Borja Ramis; Iarovyi, Sergii; Lobov, Andrei; Martinez Lastra, Jose L. / Towards processing and reasoning streams of events in knowledge-driven manufacturing execution systems.  
Research output: Scientific - peer-review › Conference contribution

Mäki, Antti-Juhana; Hemmiliä, Samu; Hirvonen, Juha; Narra Girish, Nathaniel; Kreutzer, Joose; Hyttinen, Jari; Kallio, Pasi / Modeling and Experimental Characterization of Pressure Drop in Gravity-Driven Microfluidic Systems.  
Salpavaara, Timo; Lekkala, Jukka / A model based analysis of the measurement errors in inductively coupled passive resonance sensors.
IMEKO XXI World Congress, Proceedings, August 30 - September 4, 2015, Prague, Czech Republic. ed. / Jan Holub. 2015.
Research output: Scientific - peer-review › Conference contribution

Iarovyi, Sergii; Xu, Xiangbin; Lobov, Andrei; Lastra, Jose L. Martinez; Strzelczak, Stanislaw / Architecture for Open, Knowledge-Driven Manufacturing Execution System.
Research output: Scientific - peer-review › Conference contribution

Nurminen, Henri; Koivisto, Mike; Ali-Löytty, Simo; Piche, Robert / Motion Model for Positioning with Graph-Based Indoor Map.
Research output: Scientific - peer-review › Conference contribution

Xu, Xiangbin / Ontology-Based Backend Engine for Manufacturing and Logistics Systems.
Research output: Scientific - peer-review › Chapter

Mantilla R., M. Fernanda; Nieto Lee, Angelica; Lastra, Jose L Martinez / Parameters affecting the energy performance of the transport sector in smart cities.
Research output: Scientific - peer-review › Conference contribution

Evchina, Yulia; Martinez Lastra, Jose Luis / Semantic-Driven CEP for Delivery of Information Streams in Data-Intensive Monitoring Systems.
Research output: Scientific - peer-review › Conference contribution

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

Chuchvara, Aleksanda; Georgiev, Mihail; Gotchev, Atanas / A framework for fast low-power multi-sensor 3D scene capture and reconstruction.
Research output: Scientific - peer-review › Conference contribution

Roine, Antti; Veskimäki, Eriik; Tuokko, Antti; Kumpulainen, Pekka; Koskimäki, Juha; Keinänen, Tuomo A.; Häkkinen, Merja R.; Vepsäläinen, Jouko; Paavonen, Timo; Lekkala, Jukka; Lehtimäki, Terho; Tammela, Teuvo L.; Oksala, Niki K.J. / Detection of Prostate Cancer by an Electronic Nose; A Proof of Principle Study.
Research output: Scientific - peer-review › Article

Still, Kaisa; Huhtamäki, Jukka; Russell, Martha G. / Ecosystemic relational capital: framework and process for measuring it.