

1 mJ narrow-linewidth pulsed fiber MOPA source at 1535 nm

A computational approach to construct a multivariate complete graph invariant

A Computationally Efficient Model Predictive Control Strategy for Linear Systems with Integer Inputs

Active scanner control on paper machines

Adaptive and nonlinear control of discharge pressure for variable displacement axial piston pumps

Addressing closed-chain dynamics for high-precision control of hydraulic cylinder actuated manipulators

A detailed chemical mechanism to predict NO Cycle-to-cycle Variation in homogeneous engine combustion

A distributed automation architecture for distribution networks, from design to implementation

A fractional representation approach to the robust regulation problem for SISO systems

A generic method to optimize a redundant serial robotic manipulator's structure

A Hybrid Task Graph Scheduler for High Performance Image Processing Workflows

ALMARVI System Solution for Image and Video Processing in Healthcare, Surveillance and Mobile Applications

A manager's means to motivate experts at work

A model predictive control strategy for the cascaded H-bridge multilevel rectifier based on enumeration

Analysis of second UE DRX cycle for enhanced CELL FACH 3GPP UTRAN

Analytical model in discrete time for cross-layer video communication over LTE

An approach to combining related notifications in large-scale building management systems with a rehabilitation facility case study

An approval of MPPT based on pv cell's simplified equivalent circuit during fast-shading conditions

An enumeration-based model predictive control strategy for the cascaded H-bridge multilevel rectifier

A neural network strategy for learning of nonlinearities toward feed-forward control of pressure-compensated hydraulic valves with a significant dead zone

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Anisotropic spatial solitons and their routing in nematic liquid crystals

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Approximate robust output regulation of boundary control systems

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A Reduced-Order Two-Degree-of-Freedom Composite Nonlinear Feedback Control for a Rotary DC Servo Motor

A Simple Robust Controller for Port–Hamiltonian Systems

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Automatic hierarchical discovery of quasi-static schedules of RVC-CAL dataflow programs

A variable switching point predictive current control strategy for quasi-Z-source inverters

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Backshoring of production in the context of a small and open Nordic economy

Bilateral teleoperation of a hydraulic robotic manipulator in contact with physical and virtual constraints

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Characterizing the Impact of Diffuse Scattering in Urban Millimeter-Wave Deployments

Characterizing trustworthy digital rights exporting

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Class-Specific Reference Discriminant Analysis With Application in Human Behavior Analysis

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Comfort Design in Human Robot Cooperative Tasks

Commissioning for nearly zero-energy building projects

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Comparative energy analysis of a load sensing system and a zonal hydraulics for a 9-tonne excavator

Comparing requirements decomposition within the Scrum, Scrum with Kanban, XP, and Banana development processes

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Complete Odometry Estimation of a Vehicle Using Single Automotive Radar and a Gyroscope

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Digital Predistortion for 5G Small Cell  
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Direct model predictive current control of dc-dc boost converters

Direct model predictive current control of quasi-Z-source inverters

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Double Shadowing the Rician Fading Model

Dynamic effects of inductor current ripple in peak-current and average-current mode control

Dynamics analysis of a redundant parallel manipulator driven by elastic cables

Ecosystems Here, There, and Everywhere — A Barometrical Analysis of the Roots of 'Software Ecosystem'

Editorial to "The best papers from the 32nd International Symposium on Automation and Robotics in Construction and Mining (ISARC 2015)"

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A multiple case study on selecting a technique for user-interaction data collecting

Effective variable switching point predictive current control for ac low-voltage drives

Effect of driver and work cycle on losses of a loader

Effect of energy recovery on efficiency in electro-hydrostatic closed system for differential actuator

Effect of rotor pole-shoe construction on losses of inverter-fed synchronous motors

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A novel micro-force sensing tool

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Energy-efficient and high-precision control of hydraulic robots

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Expectation differences between students and staff of using learning analytics in finnish universities

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Factors affecting the organizational readiness to design autonomous machine systems

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Fast neural predictive control algorithm

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Fifty years of graph matching, network alignment and network comparison

Finding the wow-factor to enhance business

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Flow-bounded trajectory-scaling algorithm for hydraulic robotic manipulators

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Julkaisun otsikon käännös: : Fluid Transmission Line Modeling Using a Variational Method

Forward kinematic analysis of a planar cable driven redundant parallel manipulator using force sensors

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A replicated study

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Geometry-Based V2V Channel Modeling over Millimeter-Wave in Highway Scenarios

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Highly unique network descriptors based on the roots of the permanent polynomial

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Improving tracking performance of composite nonlinear feedback controllers via new reset and hold feature of nonlinear functions

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Information retrieval perspective to meta-visualization

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Instrumentation-Driven Validation of Dataflow Applications

Integrated controller for an over-constrained cable driven parallel manipulator  
KNTU CDRPM

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Interaction strategies for an affective conversational agent

Introducing Multi-Convexity in Path Constrained Trajectory Optimization for Mobile Manipulators

Investigation on positioning control strategy and switching optimization of an equal coded digital valve system

Leadership focus in modern expert organization

LeanGame, a digital training tool to implement lean philosophy

Lean software startup – an experience report from an entrepreneurial software business course

Learning movement synchronization in multi-component robotic systems

Lessons learnt from real-time monitoring of the low voltage distribution network

Linear accelerometers and rate gyros for rotary joint angle estimation of heavy-duty mobile manipulators using forward kinematic modeling

Low-cost flexible all-inkjet-printed microfluidic sensor

Majorization-minimization for manifold embedding

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Mapping parameterized cyclo-static dataflow graphs onto configurable hardware

Mass balance control of crushing circuits

Master's students' commitment and engagement in their course behavior

Minimum viable user experience  
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Model-based force and position tracking control of an asymmetric cylinder with a digital hydraulic valve

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Julkaisun otsikon käännös: : Modeling and Experimental Characterization of Pressure Drop in Gravity-Driven Microfluidic Systems

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Model predictive control in power electronics: Strategies to reduce the computational complexity

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Multi-robot active information gathering with periodic communication

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Multiuser detection scheme for SCMA with partial extrinsic information transmission

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Nonlocal bi-color vector solitons in liquid crystals

Novel pairwise coupled kinematic solution for algebraic angular acceleration estimation of serial link manipulators

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Optimizing gaze direction in a visual navigation task

Order reduction for a signaling pathway model of neuronal synaptic plasticity

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