

### **An object detection and pose estimation approach for position based visual servoing**

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### **Analysis and application of light-technical parameters to assure pedestrian safety on roadway crossings with additional lighting**

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### **Analytical methods for determination of sulfur content in oil shale**

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### **Application of hyperspectral imaging in waste paper sorting**

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### **Application of Leddar to optimize image processing operations**

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### **Bidirectional soft-switching current-fed flyback converter with natural clamping for low voltage battery energy storage applications**

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### **Determination of thermal convection coefficient from coil's flat plate side**

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### **Example of automatic safety systems based on power line communication and Microsoft Azure**

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### **First results on load model estimation using digital fault recorder measurements**

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### **From misconceptions to energy saving concepts : case study in pumping engineering**

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### **Identification, control and tuning of the motor speed in TIA portal**

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### **Mapping leddar distance measurements to coordinate system**

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### **Model based power estimation for centrifugal pumps**

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#### **Modeling and synthesis of belt driven ship model testing carriage system**

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#### **Overview of control methods of DC-AC grid connected converter**

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#### **Preliminary study on voltage level influence on harmonic current of LED lamps**

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#### **Risk assessment method for partner network of SMEs**

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#### **Short-circuit currents calculation algorithm in street lighting networks**

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#### **Simplified algorithm applicable for vibration measurements in buildings**

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#### **SVPWM strategy for single-phase three-level impedance source inverter**

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#### **Testing of PMU-based transmission loss monitoring application**

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#### **Wireless sensor network for kitchen automation**

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