

عنوان مقاله:

NEW PROMINENT ROLES FOR MICROPROCESSORS IN POWER SYSTEM CONTROL

محل انتشار:

ششمین کنفرانس بین المللی برق (سال: 1370)

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خلاصه مقاله:

This paper provides an overview of the impact of microprocessors on current electric utility SCADA system design. Although microprocessors have been used in SCADA equipment for some fifteen years, it has only been in the last few years, prompted by an emerging mass market for Personal Computers (PCs), that SCADA hardware and software designers have started to take advantage of the versatility and low cost of microprocessors. The incorporation of microprocessor-based workstations into modern SCADA systems redefines the concepts of redundant and interconnected SCADA systems, and increases the available options for expanding existing SCADA systems to cover new requirements. Strategies for rejuvenating existing SCADA systems with new microprocessor-based products, promising the possibility of gradually evolving systems as opposed to distinct life cycles requiring periodic replacement of an entire SCADA system, will be the focus of our discussion.

کلمات کلیدی:

لینک ثابت مقاله در پایگاه سیویلیکا:

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