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# Application and Composition observing system of Automatic Weather Station and Power Grid

By Irfan Jamil et al.

GRIN Verlag Mrz 2014, 2014. sonst. Bücher. Book Condition: Neu. 210x148x1 mm. This item is printed on demand - Print on Demand Neuware - Research Paper from the year 2013 in the subject Engineering - Geotechnology, grade: Master, Hohai University (College of Energy and Electrical Engineering), course: Automation, language: English, abstract: This paper presents the compositions observing system and applications of AWS and PGMIS which are widely inaugurated in meteorological system respectively. The brief discussion is done on technical levels and control aspects of new technology for Automatic weather station and Power Grid Meteorological Information System. Controlled by electronics devices or computer, the automatic weather station automatically observes weather and collects and transmits data. AWS is usually composed of sensor, transmitter, data processing device, data transmitting device and power supply. The transmitter converts weather parameters sensed by sensor into electric signal then; data processing device will process these electrical signals and convert them into corresponding meteorological elements. Power Grid Meteorological Information System (PGMIS) refers to the meteorological information comprehensive platform of Power Grid applied in power grid corporations at all levels, which is also a professional application system in combination of meteorological information and production and operation of power grid...

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