



Сведения о документе - Self organizing maps application in a remote water quality monitoring system

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Self organizing maps application in a remote water quality monitoring system(Conference Paper)

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Краткое описание

A report on the self organizing maps application in a remote water quality (WQ) monitoring system was presented. The system was characterized by higher accuracy of water parameter measurements, data validation, data reconstruction, sensor fault detection and pollution events signaling. The results showed that the iterative training algorithm was characterized by smaller values of the topographic error.

Актуальность темы SciVal

Тема: Thermistors | Signal Conditioning Circuits | Thermocouples

Процентиль актуальности: 74.052

Включенные в указатель ключевые слова

Engineering controlled terms:

Computer simulation Data acquisition Monitoring Remote sensing Self organizing maps
Condition monitoring Conformal mapping Geological surveys Ground penetrating radar systems
Pollution Pollution detection Temperature sensors Transducers Water pollution
Water quality Wireless local area networks (WLAN)

Engineering uncontrolled terms:

Data validation

Engineering main heading:

Water quality Self organizing maps

Engineering uncontrolled terms

Events detection Ground Penetrating Radar Kohonen self-organizing maps
Pollution measurement Remote monitoring Sea measurements Water quality monitoring
Water quality monitoring systems

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Тип документа: Conference Paper

Спонсоры: IEEE Instrumentation and Measurment Society

Цитирования в 7 документах

Zheng, Y. , Qin, S.J. , Brenskelle, L.A.

Advanced streaming data cleansing

(2013) Society of Petroleum Engineers - SPE Digital Energy Conference and Exhibition 2013

Postolache, O. , Pereira, M.D. , Feng, D.-C.

Sensor networks and GIS for water quality and anthropogenic factors assessment in estuaries

(2012) World Automation Congress Proceedings

Pereira, M.D. , Postolache, O. , Girão, P.S.

A smart conductivity sensor with temperature and water tide level compensation capabilities

(2011) Proceedings of the International Conference on Sensing Technology, ICST[Просмотреть подробные сведения обо всех 7 цитированиях](#)[Сообщайте мне, когда этот документ будет цитироваться в Scopus:](#)[Задать оповещение о цитировании >](#)[Настроить канал цитирования >](#)

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