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Detecting anomalies in time series data via a deep learning algorithm combining wavelets, neural networks and Hilbert transform

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Highlights

- Design of a transferable time series anomaly detection method
- Novel deep neural network structure facilitates learning short and long-term pattern interdependencies
- Detection of anomalies in the Seismic Electrical Signal for predicting earthquake activity
- Detection of road anomalies using smartphone data, facilitating crowdsourcing applications

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