



Contribution ID: 65

Type: **not specified**

## Monitoring Multivariate Data Streams Using Convex Hull Based Control Charts

*Wednesday, 18 September 2024 09:40 (20 minutes)*

Statistical process monitoring is of vital importance in various fields such as biosurveillance, data streams, etc. This work presents a non-parametric monitoring process aimed at detecting changes in multidimensional data streams. The non-parametric monitoring process is based on the use of convex hulls for constructing appropriate control charts. Results from applying the proposed method are presented and the competitive advantages against other competitors are highlighted.

### Type of presentation

Talk

### Classification

Mainly methodology

### Keywords

Statistical process monitoring, data streams, convex hull.

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**Session Classification:** Multivariate statistical process control

**Track Classification:** Process modelling and Control