

Accepted Manuscript

An Event-Triggered Approach to Robust Recursive Filtering for Stochastic Discrete Time-Varying Spatial-Temporal Systems

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PII: S0165-1684(17)30400-0
DOI: [10.1016/j.sigpro.2017.11.011](https://doi.org/10.1016/j.sigpro.2017.11.011)
Reference: SIGPRO 6662



To appear in: *Signal Processing*

Received date: 16 September 2017
Revised date: 8 November 2017
Accepted date: 16 November 2017

Please cite this article as: Dong Wang, Zidong Wang, Bo Shen, Yongmin Li, Fuad E. Alsaadi, An Event-Triggered Approach to Robust Recursive Filtering for Stochastic Discrete Time-Varying Spatial-Temporal Systems, *Signal Processing* (2017), doi: [10.1016/j.sigpro.2017.11.011](https://doi.org/10.1016/j.sigpro.2017.11.011)

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HIGHLIGHTS

- The robust recursive filtering problem is investigated for spatial-temporal systems.
- The system includes a set of sensors located at specified points.
- An event-based communication mechanism is used.
- A new ordinary uncertain difference dynamic system is formulated.
- The filter is designed by solving Riccati-like difference equations.

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