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Exponential synchronization of complex dynamical networks with time-varying inner coupling via event-triggered communication

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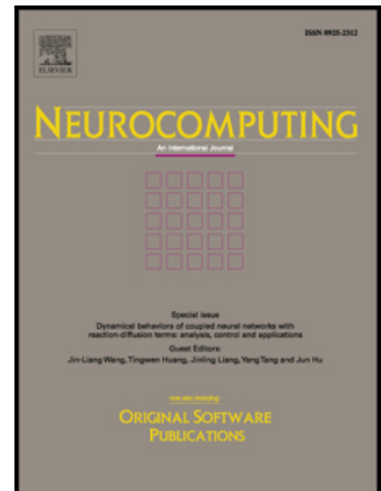
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**Highlights**

- The complex dynamic networks contains time-varying inner coupling.
- Event-triggered communication largely decrease the number of information updates.
- A useful lemma is given to analyze the convergence of the error dynamical system.
- A sufficient condition is derived to guarantee the exponential synchronization.
- The Zeno behavior is excluded as well by the strictly positive sampling intervals.

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