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Design optimization of secure message communication for energy-constrained distributed real-time systems

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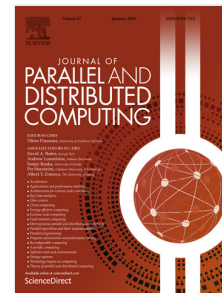
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Establish the model of security-critical distributed applications.

Identify two strategies to improve the system security.

Propose a security metric to quantify security quality of distributed applications.

Design a GA based heuristic to address the design and optimization problem.

Evaluate the proposed algorithm by extensive experiments and a real-life application.

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