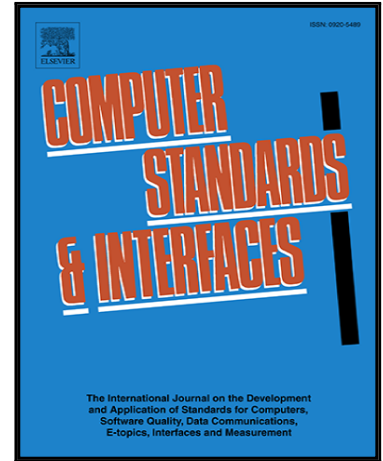


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Generation of Feasible Deployment Configuration Alternatives for
Data Distribution Service Based Systems

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Highlights

- Metamodel for supporting implementation of the DDS UML profile
- Extension and Implementation of the DDS UML Profile
- Systematic approach for Generating DDS Configuration Alternatives
- Toolset for modeling DDS applications and the generation of configuration alternatives
- Illustration of the problem for a real Internet of Things application
- Evaluation of the approach using different task allocation algorithms
- Discussion and lessons learned for DDS configuration

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