Detection and Mitigation of Corrupted Information in Distributed Model Predictive Control Based on Resource Allocation

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- Motivation
 - The Basic Problem That We Studied
 - Previous Work
- Our Results/Contribution
 - Main Results
 - Basic Ideas for Proofs/Implementation

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Make Titles Informative. Use Uppercase Letters.

Subtitles are optional.

- Use itemize a lot.
- Use very short sentences or short phrases.

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- using overlay specifications:
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 - Second item
- using the general uncover command:
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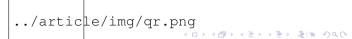


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Summary

- Resource allocation based DMPC is vulnerable to attacks.
- Sub-problems structure has time invariant parameters.
- Attack can be estimated using these parameters.
- Outlook
 - Inequality Constraints yield Hybrid behavior
 - Non-linear attack model
- Repository

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https://github.com/
Accacio/SysTol-21
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For Further Reading I

- P. Velarde, J. M. Maestre, H. Ishii, and R. R. Negenborn, "Scenario-based defense mechanism for distributed model predictive control," in *2017 IEEE 56th Annual Conference on Decision and Control (CDC)*. IEEE, Dec 2017, pp. 6171–6176.
- J. M. Maestre, R. R. Negenborn et al., Distributed Model Predictive Control made easy. Springer, 2014, vol. 69.
- A. Author. Handbook of Everything. Some Press, 1990.

For Further Reading II



S. Someone.

On this and that.

Journal of This and That, 2(1):50-100, 2000.