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

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Outline

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Make Titles Informative. Use Uppercase Letters.

Subtitles are optional.

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

Make Titles Informative.

You can create overlays...

- using the `pause` command:
  - First item.
  - Second item.
- using overlay specifications:
  - First item.
  - Second item.
- using the general `uncover` command:
  - First item.
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Summary

1. Resource allocation based DMPC is vulnerable to attacks.
2. Sub-problems structure has time invariant parameters.
3. Attack can be estimated using these parameters.

- Outlook
  - Inequality Constraints yield Hybrid behavior
  - Non-linear attack model
- Repository

  `https://github.com/Accacio/SysTol-21`

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.