

APHIRICCO. Hybrid predictive monitoring of the International Regularity Index for an optimum road maintenance

Aceinsa, GB2S-UPM (2021-23)
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Executive summary

APHIRICCO provides a **predictive tool** applied to road maintenance that learns **degradation patterns** of the road surface. It takes data from a monitoring platform embeded on maintenance vehicles that integrates **accelerometers and RGB-D cameras**, which feed an **expert system** to optimize operation and maintenance tasks.

Keywords:

- > Road maintenance.
- > Expert systems.
- > Predictive capabilities.
- > Optimization of road operation and maintenance.

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