Long-term Integrated Maintenance Scheduling Optimisation

Virtual - Researchers Catch-up hosted online from Curtin University

An integrated mining site is a complex production system comprising many processing assets, intermediate buffer storages and linking facilities. Disruption of any unit may impact upstream /downstream product flow, stock levels, throughput and the ability to satisfy customer demands. Thus, efficient coordination and strategic maintenance scheduling are essential to ensure a smooth flow of products and maximize the throughput.

Yingying will present a case study that explores the optimization of the interplay between maintenance timings and the whole system's performance over a long-term horizon. She will also give a sensitivity analysis, adjusting parameters to gain more practical insights, such as how gaps between major shutdowns affect throughput and the key factors affecting overstock.

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Theme 3

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