
**The 13th International Conference on Quality, Reliability, Risk, Maintenance, and Safety Engineering
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Special Session: Rotating machinery condition monitoring and fault detection

Rotating machinery is very important to consider in practice because it exists all around us in many forms, such as wind turbines, compressors, and fans. Generally, as a crucial component of mechanical transmission, rotating machinery is essentially composed of a rotating part, the rotor, and a nonrotating part, the stator. Therefore, it is necessary to investigate the condition monitoring and fault detection strategies.

This special session aims to discuss recent advances in condition monitoring and fault detection techniques of rotating machinery. The list of topics includes, but is not limited to:

- Data-driven modelling approaches
- Rotating machinery performance monitoring
- Key fault characteristics extraction approach
- Failure identification approaches
- Remaining useful life evaluation method
- Data processing
- Performance degradation

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