



Picture: Richard Radevsky

## Join IMIA working Group 139(25)

### Failures in protection and emergency/backup systems

**Protection systems and emergency back-up systems are critical to prevent and/or mitigate failures and disruptions. They are however not immune to failures themselves which can have severe consequences. The working group paper will cover:**

- Common types of protection and emergency back-up systems
- Vulnerability to failures (such as component failures, power supply interruptions, communication failures, human error, cyber threats, environmental factors, design flaws and inadequacies, logic flaws, inadequate training and documentation)
- Testing and commissioning requirements and periodic re-testing
- Maintenance requirements and building in robustness
- Underwriting Considerations – Underwriting information and guidelines
- Suitability of existing engineering wordings and proposed special clauses & exclusions
- Case Studies and claims
- Codes of practice and legislation
- Surveys and risk management