

6th International Conference of Engineering Against Failure



Session description

Chairperson name: Prof. Hanshan Dong

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Title of the session: Surface Engineering against Failure

Objectives: It is well-known that most engineering failure are surface related and the session is aiming to demonstrate how to successfully combat surface related engineering failures (such as corrosion, oxidation, wear, fatigue, fracture, biofouling etc.) by developing innovative surface engineering technologies and will cover (but not limited to) following areas:

- Surface degradation induced engineering failure
- Modelling-informed surface/interface design
- Surface coating, surface modification & duplex surface systems
- Surface characterization & property evaluation
- Application of surface technologies for remanufacturing
- Finishing and protection of additive manufactured surfaces