

## 6th International Conference of Engineering Against Failure



### Session description

Chairman name: Prof. Zheludkevich Mikhail - Dr. Konchakova Natalia

Affiliation: Helmholtz-Zentrum Geesthacht, Germany

Title of the session: Surface treatment against environment induced failure and damage: modelling, characterization and ontology aspects

Objectives: Novel modelling approaches and results, new characterization methodologies and techniques as well as the aspects of ontological representation of the materials for surface treatment for effective protection against environment induced failure and damage are in the focus on the session. The objectives of the event is to bring together researchers working in industry and academia targeting different industrial sectors on the efficient coating development to predict and avoid the failure and surface degradation form aggressive environment influence. The session is relevant for multidisciplinary research field. Different research and application questions will be discussed to foster the digitalization of the materials modelling and characterization in Europe.