**Title of abstract for SteelyHydrogen conference 2022**

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**Topic categories:** select one or more categories from the topic categories list below

Hydrogen embrittlement: effect of hydrogen on mechanical properties

Aqueous environment

Gas environment

HIC & Stress Sulphide Cracking (SSC)

Metallurgical influences

Mitigation actions (microstructural design, coatings, etc.)

Mechanisms

Modelling hydrogen-metal interactions and/or hydrogen embrittlement from atomic to meso-scale

Advanced methods to characterise hydrogen

Hydrogen-metal interactions: hydrogen activity, diffusion, trapping, etc.

Surfaces and coatings for metallic substrates in hydrogen environment

Industrial hydrogen challenges

Future material challenges for hydrogen applications

Other

**Abstract:**

This space is for the abstract text. Your abstract should be written in English and should not exceed 400 words in length. It describes and summarises the context, objective, and results of the work.

The abstract should be submitted via the Abstract Submission link on the SteelyHydrogen website. The abstract submission deadline is 30th September 2021.

**Keywords:** Max. 5 key words.