**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.