



Poster 2



Cohesive zone models of fracture in line-pipe steel

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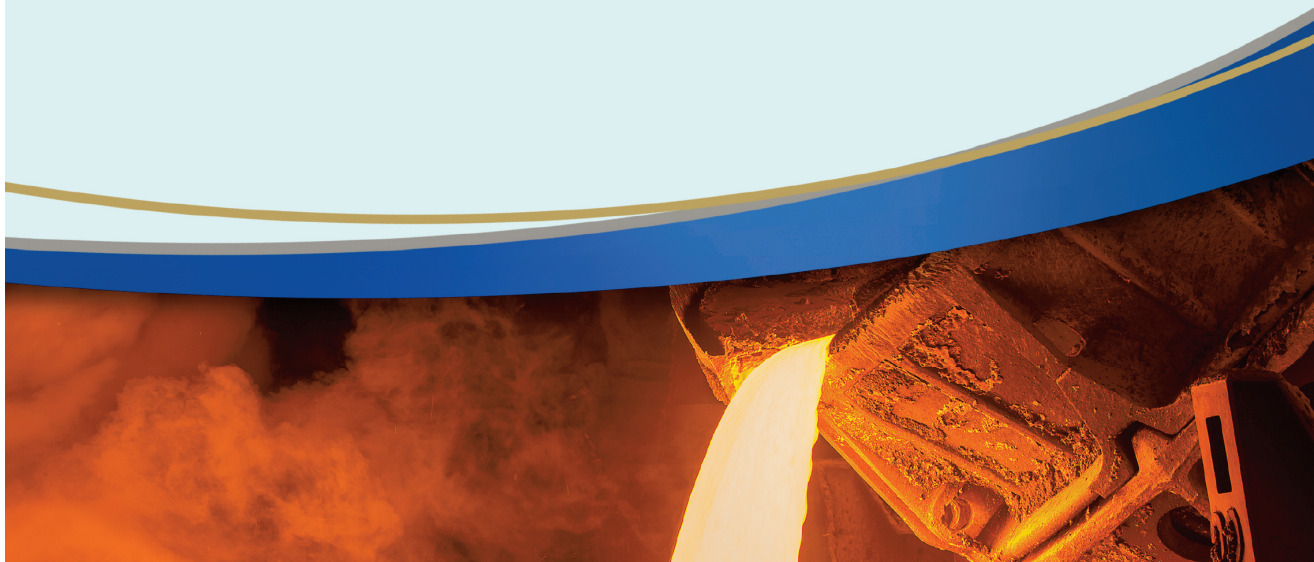
ABSTRACT:

There is a keen motivation to use existing domestic pipelines to carry hydrogen as a replacement to natural gas. The issue of hydrogen embrittlement arises and we are involved in a project at SINTEF Industry in Norway to make finite element based cohesive zone models of fracture in steel. Our remit is to enquire into the fundamental principles behind these models and to suggest how a traction separation law may be implemented in a transparent way.



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POSTER EXPOSITION



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