

1st Mini-workshop on Hydrogen Embrittlement: Experiments & Computational Modeling

Organized by

Department of Ocean Engineering
Texas A&M University
Galveston, TX

When: Wednesday, June 12th, 2024

Where: PMEC 224/Zoom: <https://tamu.zoom.us/j/96846559547>

Agenda

Time	Title	Presenter	Affiliation
08:30 am 08:40 am	Welcome address & Introduction	Marcelo Paredes	Texas A&M University
08:40 am 09:25 am	Overview of Hydrogen Embrittlement in Gas Transmission Pipelines and Subsea Infrastructure for Oil and Gas Production	Claudio Ruggieri	University of Sao Paulo
09:25 am 10:10 am	Hydrogen vs. Microstructure: Effect of Grain Boundary Connectivity	Jamaa Bouhattate	University of La Rochelle
10:10 am 10:15 am	Coffee break		
10:15 am 11:00 am	Innovative Austenitic Stainless Steel for Cryogenic Membrane Tanks for Liquid Hydrogen Storage: Advancements in Cost-effectiveness, Cryogenic Toughness, Corrosion Resistance, and Mechanical Properties	Mohammad Masoumi	University of ABC
11:00 am 11:45 am	Computational Modeling of Hydrogen Embrittlement in Metals	Diego Sarzosa	University of Sao Paulo
11:45 pm 12:30 pm	Investigation of hydrogen-induced damage in a newly developed HEAs	Yuhao Li	Texas A&M University
12:35 am	Adjourn		