



3rd Materials In Aggressive Environments Workshop
2 April 2019
Houston Marriott Westchase, 2900 Briarpark Dr. Houston, TX 77042

08.00	Coffee and registration	
08.30	Welcome and introduction	Caroline Young and Dave Harvey
08.45	Overview of Materials Group Core Research Program: Current and new projects, recent reports and reports under preparation	Shiladitya Paul and Kasra Sotoudeh
09.15	Current and Future Materials Challenges (1) Current and Future Materials Challenges (2)	TBC TBC
10.00	Hydrogen embrittlement of CRAs: engineering and scientific challenges: Hydrogen induced stress cracking of duplex stainless steels Subsea performance of precipitation hardenable alloys	Kasra Sotoudeh
10.30	Coffee Break	
11.00	Effects of environment on material performance: Sour / sweet service Cathodic protection and hydrogen generation Test protocols Environmental control	Kasra Sotoudeh
11.30	Surface engineering and advanced coatings: Mitigation of offshore corrosion and CUI using TSA Corrosion behaviour of wear resistant materials Cold spray coatings, repair and additive manufacturing	Dave Harvey
12.00	Lunch	
13.00	Breakout session 1 - Feedback on morning session: A - Effects of weld metallurgy on materials performance B - Effects of environment on material performance C - Surface engineering and advanced coatings	Kasra Sotoudeh Shiladitya Paul Dave Harvey
14.15	Breakout session 2 - Future needs: A - Effects of weld metallurgy on materials performance B - Effects of environment on material performance C - Surface engineering and advanced coatings	Kasra Sotoudeh Shiladitya Paul Dave Harvey
15.30	Summary and Close	Caroline Young and Dave Harvey