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CARES Visiting Scientist Seminar Series:

On the Utilisation of Hydrogen and Ammonia in Industry and Transport

Prof Bassam Dally; Professor of Mechanical Engineering,
King Abdullah University of Science and Technology (KAUST)

Tuesday 28 March 2023, 11am - 12pm

Pinnacle Room, Level 16, CREATE Tower



Cambridge Centre for
Carbon Reduction in
Chemical Technology

Abstract: Prof Bassam Dally will be delivering a talk that provides a broad overview of the needs and strategies for the utilisation of hydrogen and ammonia in industry and transport. Prof Dally will also delve into the research of different active projects that utilise some of these approaches.

Biography: Prof Bassam Dally is a Professor of Mechanical Engineering at the King Abdullah University of Science and Technology. His research interests include combustion science, aerodynamics, heat transfer, applied optics, computational fluid dynamics, and renewable energy including wind, solar and tidal wave. His interest spans fundamental to translational research, including turbulence chemistry interaction, soot evolution in flames, structure and stability of MILD combustion, hydrogen and ammonia energy vectors, energy storage, hybrid energy systems and fuel adaptation to industrial processes. His current research is focused on developing cost-effective and innovative technologies that deliver carbon mitigation under the circular carbon economy approach. In particular, he is working on technology solutions to decarbonise heavy industries through flexible integration of renewable sources such as electrification, hydrogen and ammonia combustion and concentrated solar thermal.



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