

Advances and Progress in the US DOE Hydrogen and Fuel Cells Program

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This talk will provide an overview of the US DOE Hydrogen and Fuel Cells Program and discuss progress in its efforts to enable the widespread commercialization of hydrogen and fuel cell technologies across the nation. While commercial hydrogen fuel cell vehicles are now on the road, projected costs to produce the fuel cell system at high volume and the cost of hydrogen are still high compared to IC engines and gasoline respectively. Additional work is needed to broaden the applicability and marketability of the technology. Recent efforts at the national laboratory led consortia addressing fuel cells (FC-PAD and ElectroCat), hydrogen production (HydroGen), and hydrogen storage materials (HyMark), as well as work supporting safety, codes and standards, technology validation, and systems analysis and integration will be discussed.