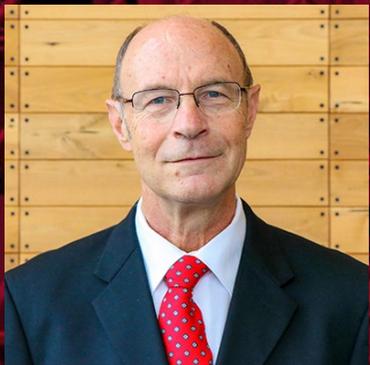


# THE HYDROGEN ECONOMY

UNIVERSITY OF HOUSTON MICRO-CREDENTIALING PROGRAM  
In collaboration with the American Institute of Chemical Engineers

## Informational Webinar January 22, 2024



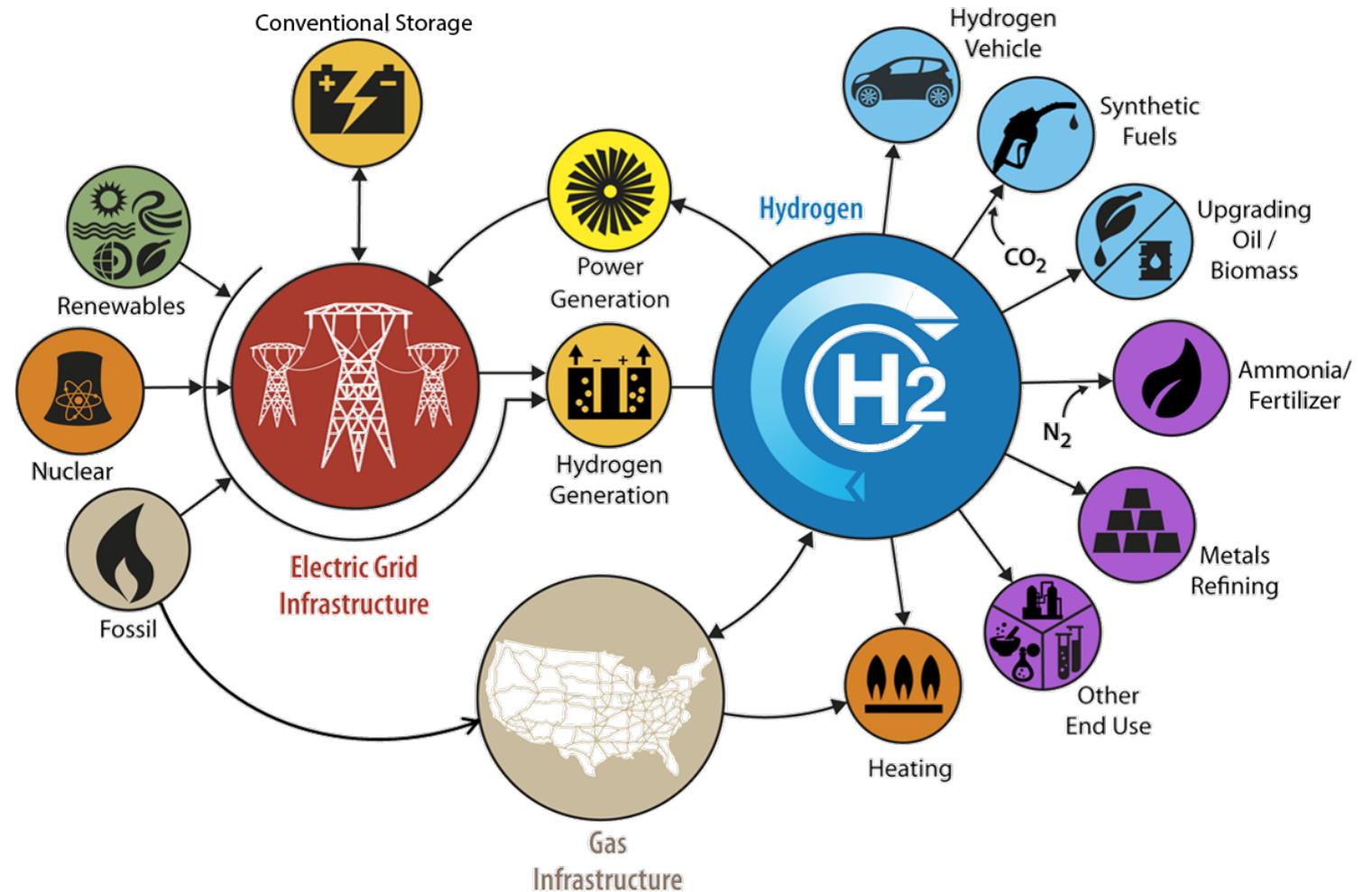
ALAN ROSSITER  
Executive Director, External Relations &  
Educational Program Development, UH Energy

## Agenda

- Why Hydrogen?
- Program Structure and Cadence
- Meet Some of our Instructors and Students
- Q&A

## Why Hydrogen?

- Decarbonization
  - Heating
  - Transportation
  - Stationary power
  - Energy storage
  - Synthetic fuels
  - Industrial applications



Source: United States Department of Energy, "H<sub>2</sub>@Scale,"  
<https://www.energy.gov/eere/fuelcells/h2scale>

## The Hydrogen Economy Program: Structure and Cadence

February 19-May 13, 2024

Asynchronous (Recorded) Content: 4-5 hours/week

Real Time Zoom: Mondays, 6:00-7:00 pm

- Jump Start a Hydrogen Career
- Multi-Disciplinary
- Interactive
- Leaders from Industry
- Accomplished Faculty from UH

### Modules (Badges)

1. Hydrogen Production
2. Hydrogen Transportation, Safety & Use
3. Commercial Opportunity for Hydrogen (includes capstone project)

Website: <https://uh.edu/uh-energy/sed-program/hydrogen/>

Application: <https://www.aiche.org/resources/forms/hydrogen-economy-application>

## Meet Some of Our Instructors and Students

# THE HYDROGEN ECONOMY

Hydrogen  
Production

## UH INSTRUCTORS



**Greg Bean**

Executive Director of the Gutierrez Energy Management Institute, Bauer College of Business, *University of Houston*



**Dr. Birol Dindoruk**

American Association of Drilling Engineers Endowed Professor, *University of Houston*



**Dr. Ramanan Krishnamoorti**

Chief Energy Officer, *University of Houston*



**Charles McConnell**

Energy Center Officer, CCME, *University of Houston*



**Dr. Alan Rossiter**

Executive Director, External Relations & Educational Program



**Dr. Ram Seetharam**

Energy Center Officer, Hydrogen Program Lead, *University of Houston*

# THE HYDROGEN ECONOMY

Hydrogen  
Production

## INDUSTRY INSTRUCTORS



**Nigel Jenvey**

Managing Partner - New Frontiers, *Baker Hughes*



**Dr. Joe Powell**

Principal | Retired Shell Chief Scientist –  
Chemical Engineering, *ChemePD LLC*



**Andy Steinhubl**

Chairman of the Board, *Center for Houston's Future (CFH)*



**Brian Maxwell**

Founder and CEO, *Green Hydrogen International*



**Tim Cortes**

Chief Technology Officer, *Plug*



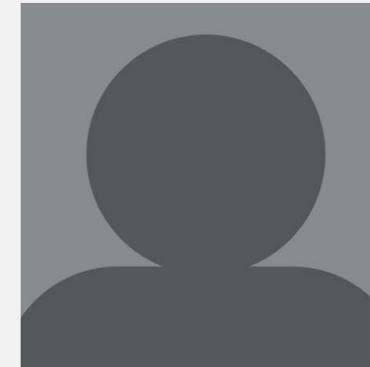
**Dr. Olga Marina**

Leader, *High Temperature Steam Electrolysis*



**Dr. Katherine (Kathy) Ayers**

Vice President of R&D, *Nel Hydrogen US*



**Paul Munsterman**

Director of Business Development, *Large Projects at Linde*

...and Others

# Thank You for Joining Our Webinar.