

The Los Angeles Section of the American Society of Mechanical Engineers presents:

LA ASME May 2014 Presentation:
**“Hydrogen Economy: Maybe Not;
Hydrogen Fuel Cell Cars: Should be Yes”**

At The Metropolitan Water District, Conference Room 101 (tentative).

May 15th, 2014 6:30 PM – 8:00 PM

**All ASME members, student members, public, engineering students and teaching staff are invited.
Plenty of free parking is available.**

Prior to the presentation there will be a short business meeting of the LA Section Executive Committee.

Topic:The case for hydrogen to be the energy carrier for the whole economy is first briefly reviewed, and then specialized for vehicular transportation. The appropriateness of use of each of the many energy sources for hydrogen production is discussed. Our hydrogen research is then discussed, ranging from thermochemical cycle based water splitting, to hydrogen production from natural gas, and to speedy fillups with little or no cooling. The importance of carbon management for natural gas based hydrogen production is also discussed.

Speaker:Dr. Manousiouthakis received his Diploma, M.S., and Ph.D. degrees in Chemical Engineering from the National Technical University of Athens (1981) and Rensselaer Polytechnic Institute (1985, 1986) respectively. Dr. Manousiouthakis has over 95 refereed journal publications, 2 patents, numerous conference publications and presentations, and has supervised 16 PhD students, many of which are in academic positions. He is the recipient of several awards, including the NSF Presidential Young Investigator Award (1988), and the AICHE Environmental Division Cecil Award (2010). He is an AICHE fellow (2012). He has been at UCLA since 1985, where he currently holds the rank of Professor. He has served as Department Vice-Chair and Chair, and is the Director of the UCLA Hydrogen Engineering Research Consortium (www.herc.ucla.edu). He is the father of mass integration, and of the network synthesis framework termed IDEAS. His research focuses on Green-Engineering/Sustainability, Systems Engineering, and Hydrogen.

Directions:

Fwy 110: Drive to downtown LA, Take 101 South Fwy and exit at Alameda East to the Union Station.

Fwy 5: If going North, take 101 Fwy and exit at Alameda East. If going south, take Fwy 10 exit downtown, and then Fwy 101 and take Alameda East exit.

Fwy 10: Drive to downtown LA, take 101 North Fwy and exit at Alameda East to the Union Station.

Metro/Rail: As the MWD is next to the Union Station Metro rail stop, Metro/Rail can be used to attend the event.

Park anywhere in the underground garage (it has many parking spots after hours). Take an elevator to the Lobby, and register at the guard desk. The Meeting is in the MWD Conference Room 101 (Lobby), across from the guard desk.

Metropolitan Water District Building

(Next to the Union Station)

Enter Union Station parking and immediately turn right, drive around to the back to the garage. Mention ASME to the guard to let you in. When inside, push a speaker button, mention ASME for the gate to open.

