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

LA ASME February 2015 Presentation:

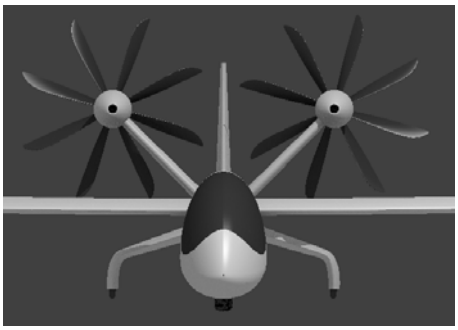
"Regen-electric Flight: Taking Regenerative Braking Airborne"

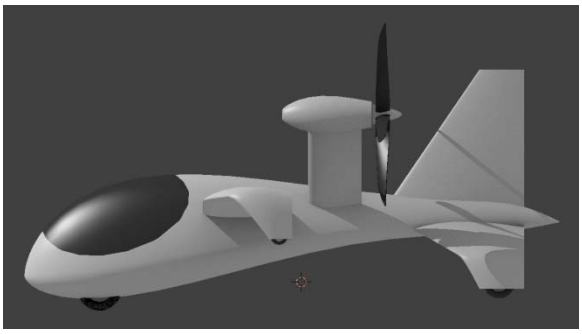
At The Metropolitan Water District, Conference Room 101.
February 19th, 2015 6:30 PM – 8:00 PM
All ASME members, student members, public, engineering students and teaching staff are invited.
Plenty of free parking is available.

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

Topic: Technical study and application of the principles of ***regenerative-electric flight***

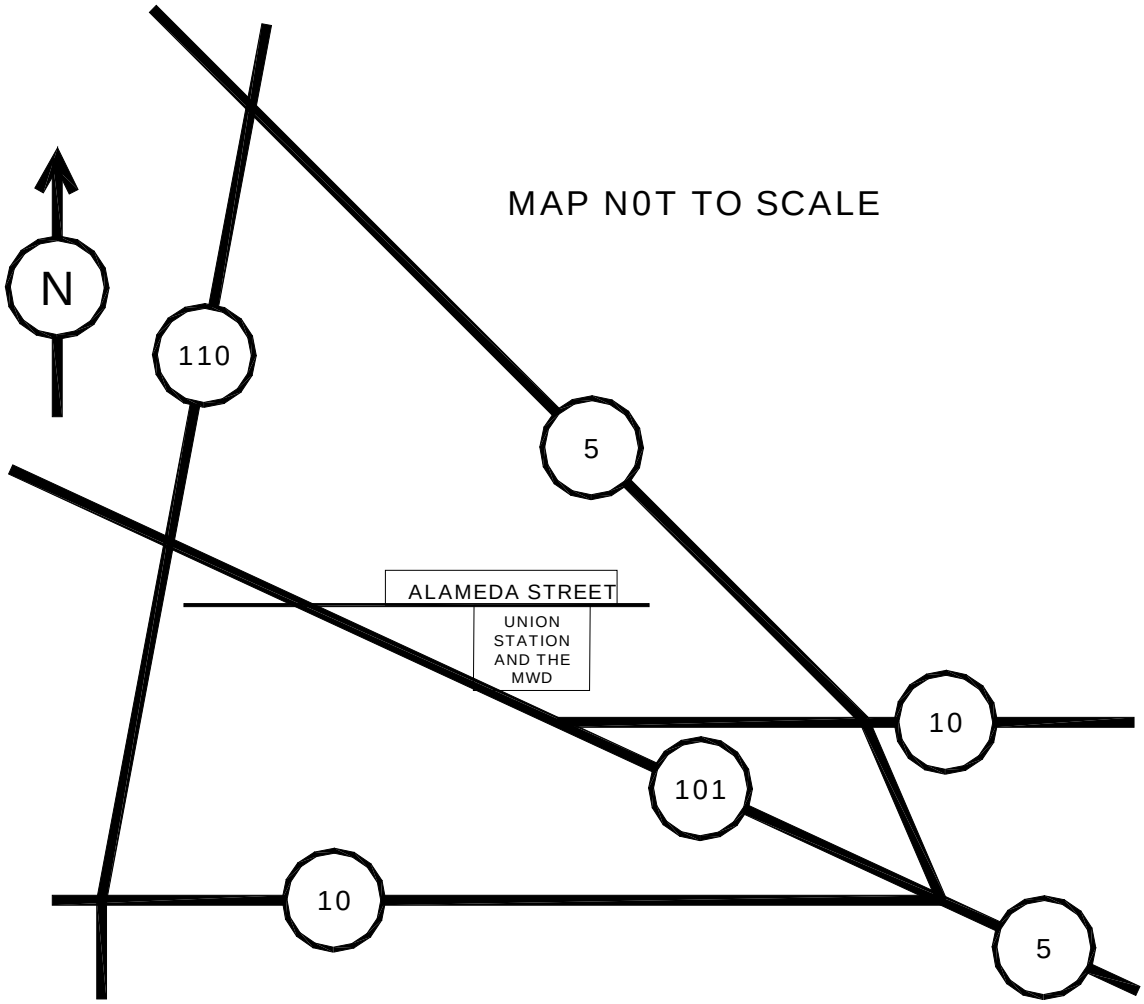
Speaker (bio): ***J. Philip Barnes*** has a BSME from the University of Arizona and MSAE from Cal Poly Pomona. He has begun his 34th year at Northrop Grumman where he conducts theoretical analysis and computer programming of air-vehicle aerodynamic and subsystems performance. Outside of work, often delivering invited lectures at universities and other venues, Phil has authored the definitive study of *dynamic soaring* as applied by the wandering albatross. Phil's "regen-electric-flight" presentation reviews and renews fundamentals of the propeller, wind turbine, motor-generator, power conditioning, and vehicle/atmospheric energy exchange.





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 to 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's after hours so there is plenty of parking). Take an elevator to the lobby, and register at the Lobby guard desk. The Meeting is in the MWD Conference Room 101 on the Lobby level, diagonally across from the guard desk.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