SCHEDULE:

Day 1:
9am introduction
Railway vehicle motion
Diesel and electric propulsion systems
12noon lunch
1-5pm Hydrocarbon combustion and emissions
Wayside power supply

Day 2:
9am On-board energy storage systems and batteries suitable for propulsion
Hybrid drive trains
Discontinuous electrification and wireless power transfer
12noon lunch
1-5pm Alternative fuels and energy carriers
Hydrogen fuel cell railway propulsion systems (Hydrail)
Wrap up, conclusion, evaluation

Day 3:
Site visit
8:30am leave hotel
9am Port of LA / Long Beach
Autonomous, battery-operated drayage
Hydrogen fuel cell trucks
12:30pm leave port