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Dr. Kuo has spent more than 35 years in the automotive industry working on advanced automotive engine combustion technologies. He received his Master's and Ph.D. degrees in Mechanical and Aerospace Engineering from Princeton University in 1979 and 1982, respectively. He first joined Cummins Engine Company in 1981 and later joined GM Global R&D in 1985. He is a GM technical fellow and currently the Lab Group Manager of a group overseeing research and development activities in the field of advanced optical diagnostics and Computational Fluid Dynamic (CFD) simulations. He also leads GM's global network in fundamental research on advanced spray, combustion, and emissions modeling through key collaborations with universities, national labs, and suppliers. He has published more than 60 Technical Journal and Conference papers and is an inventor of over 100 US and international patents. For his technical contributions, He has received Fellow Grade designation from the Society of Automotive Engineers (SAE) and GM highest Chairman's Honor Award.