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Hossein is a Technical Fellow in the Powertrain Systems Research Lab and a member of the Science Labs Technical Council. He has expertise in engine control systems and vehicle emissions control. His research focus is on advanced control algorithm development for next generation propulsion systems to fulfill GM's vision of mobility. He also has collaborative research projects globally with academic institutes and industrial organizations to expedite the development process.

He has broad interest and experience in adaptive and learning systems for powertrain control, nonlinear systems analysis and control, acoustics and vibrations, elasto-plastic thin shell analysis, embedded systems, neural networks for control and diagnostics, robotics and industrial automation.

Hossein received his bachelor's degree in Mechanical Engineering from Tehran University of Technology, Iran, in 1970 and M.Sc. and Ph.D. in Control Systems from Imperial College of Science and Technology, London, England in 1974 and 1978, respectively. He was a Research Fellow at Imperial College in 1978-79, a faculty member at Tehran University of Technology for 4 years and the Head of Power Plant Division at the Electric Power Research Center, Tehran, for 3 years before joining GM. He holds sixteen patents and has authored 35 technical publications. He is also the recipient of the prestigious GM "Boss" Kettering Award in 2000 and two McCuen Awards in 1996 and 1999.

He joined the GM R&D staff in 1985.