

Dr. James (Jim) E. Parks II
Group Leader – Emissions and Catalysis Research
National Transportation Research Center
Oak Ridge National Laboratory



Dr. Parks leads the Emissions and Catalysis Research Group at the National Transportation Research Center at Oak Ridge National Laboratory. He received his B.S. in Physics from North Carolina State University in 1989 and his Ph. D. in Physics from the University of Tennessee in 1995. Prior to joining Oak Ridge National Laboratory, Dr. Parks worked in the private sector at EmeraChem LLC, a small technology company specializing in lean NO_x trap catalyst research and development and catalyst commercialization and production for power generation and automotive applications. His current research interests are catalysts for lean burn engines, advanced spectroscopic technique development for transportation related research, and novel applications of nanophase materials. Dr. Parks has numerous publications in peer-reviewed journals and is currently a member of the American Physical Society and the Society of Automotive Engineers.