

The Catalytic Control of Motor Vehicle Emissions

30 Years of Auto Catalyst Technologies

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Dr. Barry J Cooper has been involved in the development of catalytic emission control systems at Johnson Matthey since the early 1970s. In this seminar he will describe his work on catalyst development covering both oxidation, reduction and three way catalysts for gasoline powered vehicles and particulate and NO_x control for diesel powered vehicles. During the seminar Dr. Cooper will attempt to place notable catalyst developments in the context of the understanding of emission control catalysis at the period of the development. In addition he will attempt to outline how commercial interests in addition to advances in our understanding of catalytic emission control have driven technology development over the 30 years he has worked in this field.