

Innovative Catalytic Solutions for Future Automotive Emission Control

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Over the last decade, the tightening of emission regulations for vehicles has significantly increased the size and the complexity of automotive catalyst systems. In addition, the need for steady improvement of fuel efficiency and the introduction of more dynamic and realistic driving cycles will impose additional challenges to future automotive emission control systems. The presentation will address the main development directions of future automotive emission catalysts and describe novel catalytic solutions like SCR on Filter (SCRoF) or Four Way Conversion (FWC) catalysts, which allow for the integration of different catalytic functions in one component.