M. Colombo, **I. Nova,** E. Tronconi LCCP, Dipartimento di Energia, Politecnico di Milano, Italy

Laboratory of Catalysis and Catalytic Processes G. Koltsaki**s** LAT, Aristotle University Thessaloniki Greece

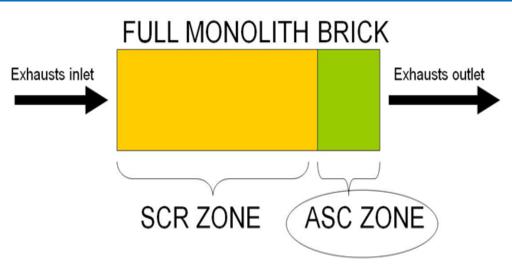


Modeling study of SCR/PGM interactions in NH₃ slip catalysts

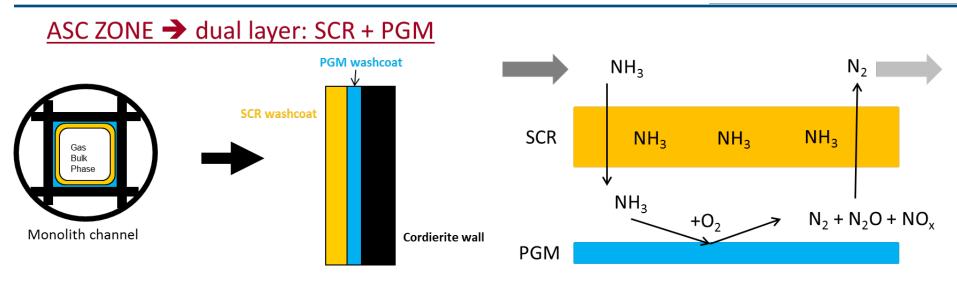
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What is the NH₃ slip: undesired release of unreacted NH₃ downstream SCR converters.

How to avoid it? Catalytic device downstream the SCR converter → ASC systems



Dual Layer ASCs concept & optimization



NH₃ conversion & N₂ selectivity increase

Goal of the work: optimization of NH₃ slip catalyst performance by simulating the behavior of different SCR/PGM configurations

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1) PGM SCR+PGM 3) PGM SCR 2) 4) PGM SCR Gas Bulk Gas Bulk Gas Bulk Gas Bulk Phase Phase Phase Phase 🔨 Wall 🔨 Wall 🔨 Wall 🔨 Wall Isabella Nova POLITECNICO DI MILANO