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

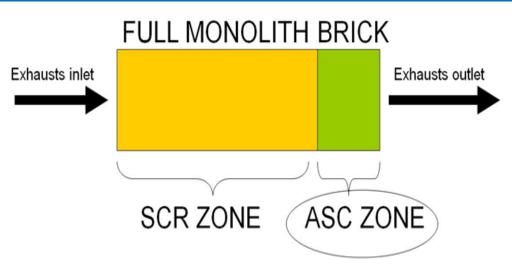


## Modeling study of SCR/PGM interactions in NH<sub>3</sub> slip catalysts

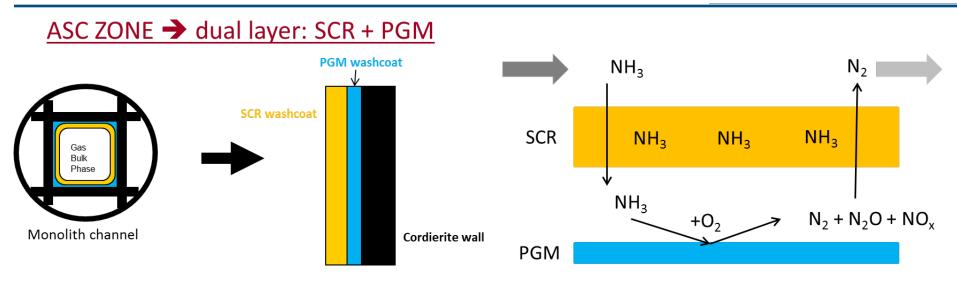
## **POSTER LOCATION P-19**

What is the NH<sub>3</sub> slip: undesired release of unreacted NH<sub>3</sub> downstream SCR converters.

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



## **Dual Layer ASCs concept & optimization**



NH<sub>3</sub> conversion & N<sub>2</sub> selectivity increase

**Goal of the work:** optimization of NH<sub>3</sub> slip catalyst performance by simulating the behavior of different SCR/PGM configurations

**P-19** 

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