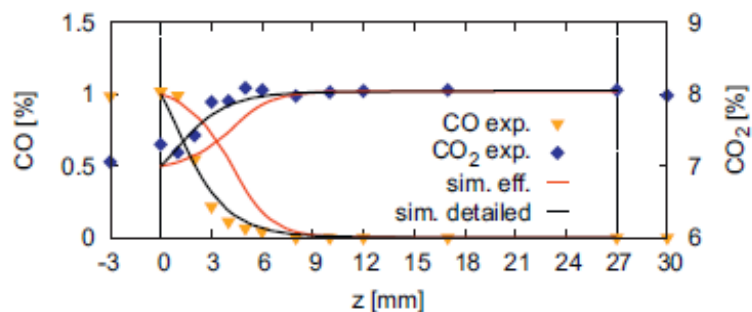
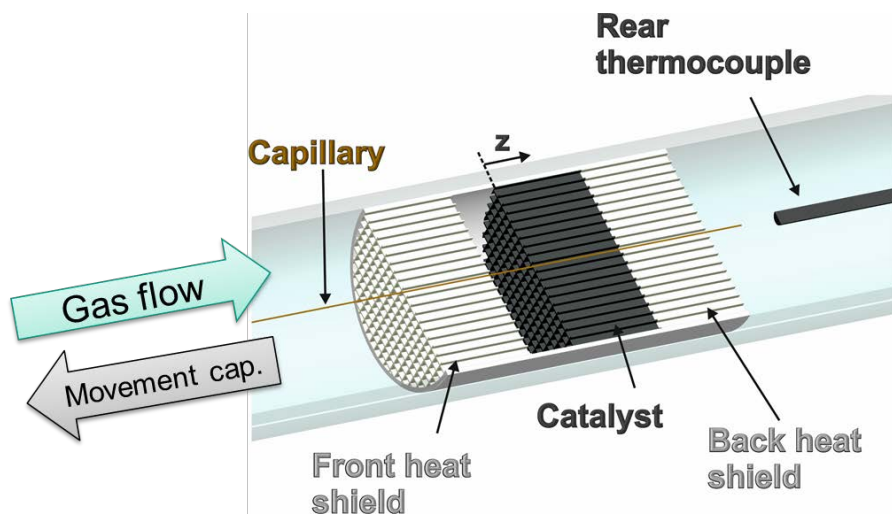


Lab test benches: SpaciPro

Capillary in-situ technique for axially resolved profiles



D. Chan, S. Tischer, J. Heck, C. Antinori, O. Deutschmann.
Applied Catalysis B: Environmental 156–157 (2014) 153.

Staff: Dr. Claudia Antinori, Azize Ünal

Tests of catalytically coated honeycombs ($d = 2 - 2,54$ cm, length ~ 5 cm)

Axially resolved profiles of species concentration, gas-phase and surface temperatures (resolution: 0.25 mm)

Gases: Gaseous and liquid HCs, CO, CO₂, NH₃, NO, NO₂, O₂, Air, N₂, H₂, H₂O

Temperature: RT – 1000°C

Pressure: 1 atm

Flow: 0.5 - 5 slpm

Gas analytics: FT- IR, MS

Applications: Oxidation reactors, DOC, TWC, ...

Available for teaching, research, and service

D. Livio, C. Antinori, A. Donazzi, A. Beretta, G. Groppi, O. Deutschmann, *Appl. Catal. A* 467 (2013) 530