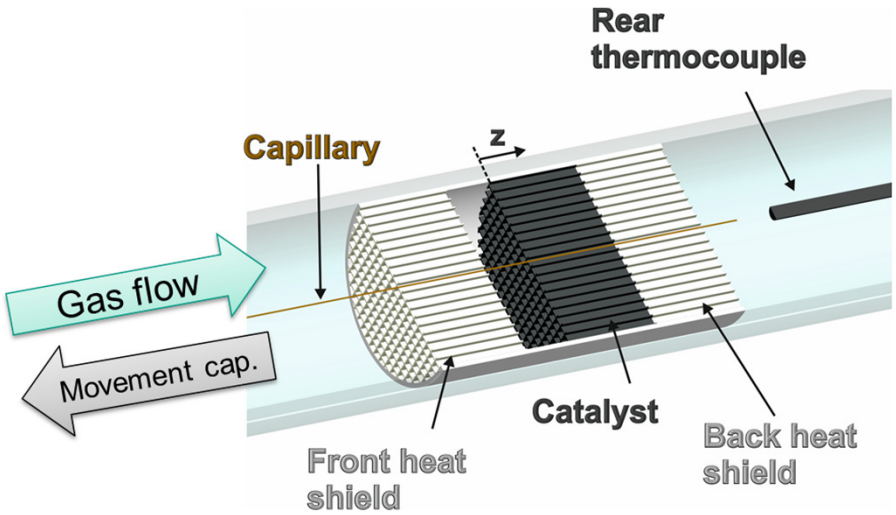
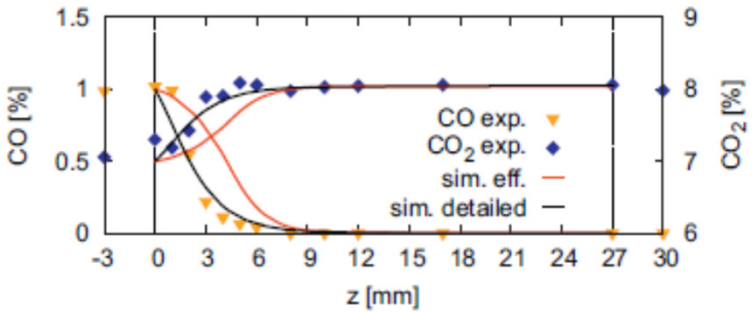
Lab test benches: SpaciPro setup

Capillary *in situ* technique for spatially resolved profiles





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

Specifications

Gases/ species:	CO, CO_2, NO, NO_2, N_2, H_2, CH_4, O_2, H_2O, CH_2O dosage on request, other HCs on request
Pressure:	1 atm
Temperature:	RT – 900°C
Flow:	0.5 – 5 slpm
Gas analytics:	FTIR, mass spectrometer

Tests of catalyst coated **honeycombs** (*d* = *1.9* cm, *l* ≤ 5 cm)

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

Applications: DOC, TWC, gas engines, …

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