

Daniela Schönauer-Kamin defended her doctoral thesis

Congratulations!

Daniela Schönauer-Kamin defended her doctoral thesis about the development of a novel mixed potential sensor for the detection of ammonia in exhausts (German original title "Neuartiger Mischpotentialsensor zur Detektion von Ammoniak in Abgasen") on September 16th, 2014.

She already published parts of her thesis in

D. Schönauer-Kamin, M. Fleischer, R. Moos, Influence of the V₂O₅ content of the catalyst layer of a non-Nernstian NH₃ sensor, *Solid State Ionics*, **262**, 270-273 (2014), doi: 10.1016/j.ssi.2013.08.035

D. Schönauer-Kamin, M. Fleischer, R. Moos, Half-cell potential analysis of an ammonia sensor with the electrochemical cell Au | YSZ | Au, VWT, *Sensors*, **13**, 4760-4780 (2013), doi: 10.3390/s130404760

D. Schönauer, T. Nieder, K. Wiesner, M. Fleischer, R. Moos, Investigation of the Electrode Effects in Mixed Potential Type Ammonia Exhaust Gas Sensors, *Solid State Ionics*, **192**, 38-41 (2011), doi: 10.1016/j.ssi.2010.03.028

D. Schönauer, I. Sichert, R. Moos, Vanadia doped tungsten-titania SCR catalysts as functional materials for exhaust gas sensor applications, *Sensors and Actuators B: Chemical*, **155**, 199-205 (2011), doi: 10.1016/j.snb.2010.11.046

D. Schönauer, R. Moos, Detection of water droplets on exhaust gas sensors, *Sensors and Actuators B: Chemical*, **148**, 624-629 (2010), doi: 10.1016/j.snb.2010.05.060

D. Schönauer, K. Wiesner, M. Fleischer, R. Moos, Selective Mixed Potential Ammonia Exhaust Gas Sensor, *Sensors and Actuators B: Chemical*, **140**, 585-590 (2009), doi: 10.1016/j.snb.2009.04.064

After her maternity leave she will return to our lab.



Picture from left to right: Prof. Jess, Prof. Fischerauer, Prof. Moos, Dr. Schönauer-Kamin, Prof. Fleischer.