



Felix Jung was awarded the poster price of the electron microscopy symposium at the EMRS spring meeting 2019 for presenting the results of his Master thesis on „STEM-EDXS tomography of a co-sintered solid oxide fuel cell anode“.

He has reconstructed the chemical composition of Ni/ZrO<sub>2</sub> anodes in solid oxide fuel cells (SOFC) in three dimensions with nanometer resolution. The anodes contain MnO secondary-phase precipitates which are formed during SOFC fabrication. The results of his thesis allow to assess the influence of the MnO precipitates on the SOFC efficiency.