

FORM FOR EMPLOYERS

INSTITUTION: AGH UNIVERSITY OF SCIENCE AND TECHNOLOGY

CITY: KRAKOW.....

POSITION: ASSISTANT PROFESSOR (POSTDOC).....

DISCIPLINE: MATERIALS ENGINEERING.....

POSTED

EXPIRES24.05.2018.....

WEBSITEwww.uci.agh.edu.pl/konkursy.....

KEY WORDS: mixed ionic-electronic conducting oxides, ceramic membranes, characterization of physicochemical properties of oxides, DFT quantum mechanical calculations, synthesis and sintering of oxides, XRD measurements with Rietveld analysis, measurements by TG, XPS, SEM, TEM, EIS, ECR techniques

DESCRIPTION (field, expectations, comments): The chosen candidate will be employed at the AGH University of Science and Technology, Faculty of Energy and Fuels, Department of Hydrogen Energy, Krakow, Poland. Research field includes topics connected with ceramic membranes having mixed ionic-electronic conductivity, especially, related to the synthesis, sintering, and studies of the physicochemical properties (measurements by XRD, TG, SEM, TEM, XPS, EIS and ECR techniques). Candidate should have PhD in the field of materials engineering and should possess well-documented scientific achievements in a form of articles published in international, peer reviewed journals focusing electrochemistry, in an aspect of application of mixed conducting oxides, as well as materials science.