הטכניון - מכון טכנולוגי לישראל

TECHNION - ISRAEL INSTITUTE OF TECHNOLOGY

הפקולטה להנדסה כימית
ע״ש וולפסון
The Wolfson Department of Chemical Engineering

Wolfson Department of Chemical Engineering Special Seminar

Departmental seminar room (3rd floor), Wolfson Department of Chemical Engineering,

Monday 4.3.2019 at 10:00 am

Prof. Olga Guerrero-Pérez

Department of Chemical Engineering, University of Málaga

Environmental Catalysis with Group Five based materials

Vanadium, Niobium and Tantalum oxides, and the mixed oxide materials containing them, constitute a unique family of materials with large diversity of chemical and physical properties, which make them important for basic research and various technological and industrial applications. Mixed oxide catalytic materials are used for many partial oxidation reactions due to their redox properties. In environmental catalysis, they are used for many applications, as NOx, VOCs and SO2 removal. The state of the art in this field will be presented.

Short C.V.

Prof. Guerrero Perez (oguerrero@uma.es) is Associate Professor of Chemical Engineering at UMA. She has published more than 80 papers, most of them in high impact factor journals, and she is the author of 3 patents. She has participated in several international proyects/networks, such as COST Actions (D36 on functional materials and CM0903 on transformations of biomass to fuels and chemicals), and the Erasmus Mundus Eurasicat project, that involved 6 Asiatic universities and 5 European ones. Her research interest is the synthesis of applications of nanomaterials, and the development of new catalytic processes.

Refreshments will be served at 09:45 am