



4th International Symposium on
Energy **C**hallenges & **M**echanics
- working on small scales

11-13 August 2015
Aberdeen, Scotland, UK

Speaker of Session 03

HYDROGEN GENERATION AND STORAGE



Prof. Emilia Sicilia received the Ph.D degree in "Scienze Chimiche" in 1997 at the University of Calabria. She is in the permanent staff of the Department of Chemistry of University of Calabria since 1999 and as Associated Professor in Inorganic Chemistry since 2002. She is coauthor of articles and contributions to several books on the application of Density Functional methods in several fields of Chemistry. The research activity during the last years has been focused on the theoretical investigation, essentially in the framework of the Density Functional Theory (DFT), of the mechanistic details of catalytic processes mediated by metal containing systems, both in heterogeneous and homogeneous

catalysis. Relevant results have been obtained in the framework of the study of prototype bonds activation: O-H, N-H, C-H and C-C of small systems by bare transition metals atoms and cations as well as considering more complex catalytic systems.

