



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

11-13 August 2015
Aberdeen, Scotland, UK

Speaker of Session 11

NANOMECHANICS



Dr Véronique PERES is professor at Ecole des Mines de Saint-Etienne (France). She received her Ph.D. in Sciences of material engineering from the Institut National Polytechnique de Grenoble (France) in 1993. After the graduation, she joined the AREVA Company (France) from 1995 to 2008. Her research career was dedicated to the uranium dioxide fuel. Professor PERES was Project Manager for the rebuilding of a fuel manufacturing plant. In 2008 she joined the Center for Chemical Engineering at the Ecole des Mines. Now, her research domains deal with reactivity of multimaterial systems in regards of interfacial phenomena. Applications fields are the study of corrosion mechanisms at high temperature in nuclear, metallurgical or petrochemical industries. The monitoring of the transformations of solid is mainly based on thermal analysis under controlled atmosphere.

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