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**Brief CV:** Dr Panagiotis Kechagiopoulos is Senior Lecturer in Chemical Engineering and a member of the Chemical and Materials Engineering Research Group in the University of Aberdeen. He has 15 years of research experience on the application of, experimentally validated, computational methods to design and optimize chemical engineering processes for the efficient utilization of energy sources. He obtained his PhD from the Aristotle University of Thessaloniki, Greece in 2008, having studied the production of hydrogen via steam reforming of biomass pyrolysis liquids in novel pilot-scale spouted bed reactors. In 2010, he was offered a post-doctoral researcher position at Ghent University, Belgium, where he acquired substantial experience in the field of natural gas conversion technologies, developing elaborate microkinetic models for the oxidative coupling and steam reforming of methane. On August 2014 he joined the University of Aberdeen, where he continues to apply and further develop his modelling expertise in the study of novel energy related problems. He is currently PI of a New Investigator Award by the Engineering and Physical Sciences Research Council (EPSRC) in the field of non-thermal plasma assisted catalysis, focusing on the non-oxidative coupling of methane (CatPlasKin) and a Research Grant from the Royal Society on the use of Optical Emission Spectroscopy for the study of this process. He supervises 2 PhD students and one postdoctoral researcher in this field. He further supervises 2 PhD students on the kinetic analysis and modelling of biomass derived oxygenates steam reforming, particularly focusing on elucidating support effects on the reaction mechanism. He continues to work independently on the microkinetic modelling of low temperature methane steam reforming and also supervises 1 PhD student on the design of variable thickness membrane reactors for the oxidative coupling of methane.