



Dr. Effie Marcoulaki

PSAM12 Speaker Bio

Safety analysis and quantitative risk assessment of a deep underground large scale cryogenic installation

Short Statement: First author

BIOGRAPHY

Dr. Effie Marcoulaki is a Senior Researcher at the Institute of Nuclear and Radiological Sciences and Technology, Energy and Safety of the National Centre for Scientific Research “Demokritos” in Athens, Greece.

She holds an M.Eng. in Chemical Engineering from the National Technical University of Athens (Greece), and M.Sc. and Ph.D. degrees in Process Integration from the University of Manchester Institute of Science and Technology (UK). She is a former Research Fellow of the Engineering and Physical Sciences Research Council (UK), and has worked as a Process and Software Engineer in the UK and a Lecturer at major Universities in Greece.

Her current research activities at NCSR “Demokritos” include quantitative assessment of reliability and risk, occupational safety and Bayesian statistics. In addition, she continues previous research on the development of stochastic optimization tools for designing novel industrial processes and materials, considering cost, safety, reliability, environmental and energy issues. Her research is funded by the Greek Government and the European Commission through competitive research grants.

Dr. Marcoulaki has 50 publications in peer-review journals and conference proceedings and received over 350 citations to her work. She was member of the European Safety and Reliability Conference (ESREL) 2010 Conference Local Organizing Committee, and acts as reviewer in ESREL 2014 and many distinguished international academic journals.



Personal URL: <http://www.ipta.demokritos.gr/EffieMarcoulaki>