



## Federico Gabriele

### PSAM12 Speaker Bio

#### Engineer

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**Short Statement:** First author and speaker for the authors.

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#### BIOGRAPHY

Federico Gabriele, is currently a technologist engineer at Gran Sasso National Laboratory (LNGS) of National Institute of Nuclear Physics (INFN) - Italy. Since 2012, he is the EH&S Manager for Borexino and DarkSide Collaboration and also a member of the Technical Boards of the above Experimental Collaborations.

He also spent, roughly 2 years, as engineer of Princeton University – USA, holding the position of Deputy Site Manager during the installation and construction of DarkSide Experimental Apparatus.



His current research interests focus in the area of Probabilistic Safety & Risk Assessment (PSRA) and Hazard Analysis (HA) in the field of nuclear physics and industrial plant. Moreover his interests include the Computational Fluid Dynamics (CFD) Simulation, Cryogenic Fluids and their applications, Fire Safety Engineer (FSE), Environmental Health & Safety in work site, Industrial Safety in major accident hazard plant, Emergency Plans and Emergency Management. Furthermore, Federico collaborates as Safety Analyst with the LNGS Prevention and Protection Service, for the approval and review of HA and PSRA for the installation of nuclear physics experimental apparatus in underground and confined spaces.

He has been co-supervisor of some graduates at the University of L'Aquila, University of Roma, "*La Sapienza*" and University of Study Guglielmo Marconi. He also has presented his works at the following international and national conferences and workshop: Wessex 2012, VGR 2012, ITSF 2013 and participated at several international collaboration meeting giving some talks in matter of EH&S.

In 2007, Federico obtained his Master's Degree in Engineer Management, from University of L'Aquila, Italy. From 2007 until 2009 Federico worked, as Productive Unit Manager Responsible, at Sevel S.p.A., of Fiat Group Automobiles S.p.A., Italy. In this position he led and managed a 65 employees' team and gained great experience on the World Class Manufacturing (WCM) and Lean Production concept.