



3rd International Symposium on
Energy **C**hallenges & **M**echanics
- towards a big picture

7-9 July 2015
Aberdeen, Scotland, UK

Speaker of Session 11

NUCLEAR ENERGY



Paolo Finocchiaro
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Paolo Finocchiaro was born in Catania, Italy, in 1958. He received a Master of Nuclear Physics at the University of Catania, Italy, in 1982.

He worked for a few years as consultant and teacher of computer science, then in 1984 got a position as Researcher at INFN, and in this framework has been responsible of many experiments related to technology and nuclear physics. In 1995 he joined the

HADES collaboration, whose collaboration board he chaired for two years in 2007-2008. In 1999 he was appointed as Head Technologist at INFN Laboratori Nazionali del Sud, Catania, where he is currently also in charge of technology transfer. He is constantly collaborating with industry for several joint developments, and is currently leading the Detector Mesh for Nuclear Repository (DMNR) project. He has developed several new radiation sensors, like Silicon Photomultipliers for visible light, and compact detectors for gamma rays and for neutrons, all of them low cost, small, modular, reliable, simple and robust. In collaboration with Sogin, the Italian nuclear decommissioning company, he is currently taking care of the installation of a prototype demonstrator of the DMNR inside a real radwaste storage site, whose preliminary data look quite promising.

Dr. Finocchiaro has given invited talks, seminars, conference presentations and lectures at international schools in many countries: Australia, Belgium, Canada, China, Czech Republic, England, France, Germany, Greece, Italy, Poland, Russia, Slovakia, Spain, Sweden, Hungary, USA (California, Michigan, Texas), and was also invited twice at CIAE (Beijing) by the China Ministry of Foreign Affairs and once to Ekaterinburg by the Italian embassy in Russia. Even though not teaching a regular course at a university, he has supervised more than 30 theses (bachelor, master, PhD) on several topics (particle beam diagnostics, nuclear physics, electronics, radiation detection systems, technology and applications, photonics, robotics, computing) in several faculties/departments (Physics, Electronic Engineering, Information Technology, Robotics and Automation, Ionizing Radiation Technology, Photonics) of



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different universities (University of Catania, Free University of Brussels, Polytechnic of Milan, University of Pavia, University of Milan).

Following his achievements with neutron detectors he has recently joined the n-TOF collaboration at CERN, performing experiments with the neutron beams provided by a spallation source in operation there.

Dr. Finocchiaro is author of more than 200 articles on physics and technology journals, along with a couple of book chapters, countless contributions to international conferences, three pending patents.

An active tennis and tabletennis player, Paolo Finocchiaro was twice gold medal in the tabletennis team competition at the Atomiade 2003 and 2009 playing with the team of GSI Darmstadt.

Languages: Italian (mother tongue) and English (fluent).

