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## SHORT BIO:

**Chiara Guido** is a Senior Researcher at Institute of Sciences and Technologies for Sustainable Energy and Mobility of the National Research Council, in Napoli (Italy).

She obtained her P.h.D. in Thermomechanical Systems Engineering in 2003.

Her research activity focuses primarily on the development of efficient and sustainable technologies for propulsion systems, with studies ranging from combustion process to after-treatment systems, both in terms of optimisation and interaction with fuels and lubricants quality, as well as on strategies for sub-23nm particles emission reduction from internal combustion engines.

Since 2008, she has been scientific responsible of many research projects, collaborating with Industrial Companies leaders in the automotive and fuels sector, as well as Italian and European Universities and Research Centers. Currently, she coordinates the experimental research on a laboratory including engine test benches for multi-cylinder engines from Light-Duty to Heavy-Duty categories.

She is member of the Scientific Committee of the Energy Science and Engineering PhD of Parthenope University of Napoli and regularly supervisor of P.h.D. and master's degree students.

Co-author of about 70 scientific papers, published on international journals, chapter books or presented at International Congresses, she is also reviewer and member of editorial boards of international journals.