

**CURRICULUM VITAE**  
of  
**Mariagiovanna Minutillo**

After completing with honours her master's degree in mechanical engineering in 1999, Mariagiovanna Minutillo received her Ph.D. from the University of Cassino in 2003. From 2004 to 2009 she was a member of the Industrial Engineering Department of the University of Cassino, as Assistant Professor. Since December 2021 she is employed as Full Professor at the University of Salerno.

**Academic Activities**

Component of the Scientific Committee for the Energy Science and Engineering PhD program.

**Teaching activities**

Course: Cogeneration power plants

Course: Internal combustion engine

Course: Sustainable energy technologies

Course: Fluid machines

**Scientific activity**

Her more recent research involves: hydrogen production by reforming systems for stationary or mobile applications; developing and optimization of internal combustion engine fuelled with hydrocarbons and hydrogen mixtures; cogeneration power plant based on fuel cell technologies; low temperature and high temperature fuel cells systems; fuel cells in mobile applications; technologies for hydrogen production and storage in refuelling stations; plasma gasification technologies for wastes treatment; environmental impact of power plants and pollutant dispersion analysis; microbial fuel cells technologies.

**Principal Investigator in Research Projects (2005-):**

Project "FIT ENERGIA 2005" - WP7:"Sistema Integrato", founded by the Italian Ministry of Economic Development: "Sviluppo di un prototipo innovativo per la generazione dispersa di energia elettrica e termica ad alta efficienza e basso impatto ambientale, basato su celle a combustibile alimentate con idrogeno prodotto da gas naturale" (Development of an innovative prototype for the distributed generation of electric and thermal power with high efficiency and low environmental impact based on fuel cells fed by hydrogen from natural gas) (2006-2008).

Project "PON 2010" - Progetto di Ricerca e Competitività (PON01\_2864): FC-SMARTGEN - "Celle a Combustibile e Piattaforme ibride di poligenerazione da fonti fossili e rinnovabili" (Fuel Cell and Smart Hybrid GENeration from fossil and renewable sources - FC SMART GEN).

Project POR CAMPANIA FSE 2014-2020 (2014IT055FOPO20: "Consultazione per la revisione e il consolidamento delle linee strategiche di Ricerca e Innovazione nell'ambito di sviluppo "Automotive"", (1/06/2018 - ).

Project HyLIVE - HYDROGEN LIGHT INNOVATIVE - POR CAMPANIA FESR 2014 – 2020. Asse Prioritario 1 "Ricerca e Innovazione" Avviso pubblico per il sostegno alle imprese campane nella realizzazione di studi di fattibilità (Fase 1) e progetti di trasferimento tecnologico (Fase 2) coerenti con la RIS3 (01/11/2018 a 30/04/2020).

**Reviewer for journals and conferences (2006 -):**

International Journal of Hydrogen Energy, Fuel, Energy and Fuels, Energy, Fuel Cells, Applied Energy, Catalysis Today, Journal of Fuel Cell Science and Technology, Journal of Hazardous Materials, Waste Management, Int. Journal of Greenhouse Gas Control, IEEE Transactions on Industrial Electronics.

HYSYDAYS - World Congress of Young Scientists on Hydrogen Energy Systems; EFC - European fuel Cell Conference & Exhibition PIERO LUNGHI.

More than 100 scientific papers authored or co-authored in her research fields have been presented at national and international conferences and published in international journals.