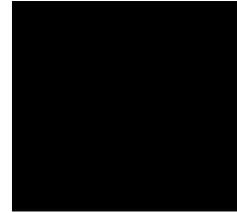


# Curriculum Vitae Domenico Ferrero

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## PERSONAL DATA

Birth date: 08/01/1987  
Birth place:   
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## SHORT BIOGRAPHY

Postdoctoral Research Fellow and Teaching Assistant in Politecnico di Torino, earned the PhD in Energetics in Politecnico di Torino in 2016. Member of STEPS group (Synergies for Thermochemical and Electrochemical Power Systems) in Energy Department of Politecnico di Torino (<http://www.steps.polito.it/>). His research focuses on electrolysis and Power-to-Gas/Power systems and thermochemical cycles. Member of Politecnico Energy Center Working Group for Energy Networks Integrations and collaborator in Industry-Academic consulting contracts. Participant to numerous European projects and author of publications in international journals and books chapters (>20). Speaker at international conferences and workshops, reviewer of several international journals and book editor.

## RESEARCH PROJECTS

Participant as post-doc researcher to the following European projects: REMOTE (779541), TeachHy (779730), BRISKII (731101) and GrInHy (700300). Topics of the projects: demonstration of Power-to-Power systems in remote areas (REMOTE – WP leader of data analysis in the project), undergraduate/graduate education in fuel cell and hydrogen technologies across Europe (TeachHy), international researchers exchange for studying thermochemical and biochemical conversion processes (BRISKII), reversible solid oxide cells systems for industrial hydrogen generation (GrInHy). Projects during PhD: Helmeth (European), Ca(R)vour (regional), OZ-BOX (regional).

## RELEVANT PUBLICATIONS

- 2017 D. Ferrero, M. Santarelli “**Investigation of a novel concept for hydrogen production by PEM water electrolysis integrated with multi-junction solar cells**”; Energy Conversion and Management 2017;148:16-29.
- 2017 D. Ferrero, A. Lanzini, M. Santarelli “**Solid Oxide Fuel Cells Modeling**”; Book Chapter in “Advances in Medium and High Temperature Solid Oxide Fuel Cell Technology”, 2017, M. Boaro, A.S. Aricò Eds., Springer.
- 2016 D. Ferrero, M. Gamba, A. Lanzini, M. Santarelli “**Power-to-Gas Hydrogen: techno-economic assessment of processes towards a multi-purpose energy carrier**”; Energy Procedia 2017; 101:50-57.
- 2015 D. Ferrero, A. Lanzini, P. Leone, M. Santarelli “**Reversible operation of Solid Oxide Cells under Electrolysis and Fuel Cell modes: experimental study and model validation**”. Chemical Engineering Journal 2015;274:143-155.
- 2013 D. Ferrero, A. Lanzini, M. Santarelli, P. Leone “**A comparative assessment on hydrogen production from low- and high-temperature electrolysis**”, International Journal of Hydrogen Energy 2013;38:3523 – 36.

Date

15/10/2018

Signature

