

Prof. Luca Andreassi: Curriculum Vitae

Education & Professional Appointments

- October 1996* MSc in Mechanical Engineering, with 110/110 cum laude, University of Roma Tor Vergata, Italy.
- January 1997* Qualifying examination for the profession of Engineer in Italy
- January – April 1997* Stage at Magneti Marelli Solex, Paris
- June 2000* Lecture series on “Verification and Validation of Computational Fluid Dynamics”, Von Karman Institute.
- January 2001* P.h.D. degree in Mechanical Engineering, at the University of Roma Tor Vergata, Italy.
- May 2001* Lecture series on “Turbulence and Combustion”, Von Karman Institute.
- May 2002* Lecture series on “Introduction to Turbulence Modeling”, Von Karman Institute.
- 2002-2004* Contract researcher at the Department of Mechanical Engineering at the University of Rome “Tor Vergata”
- January 2004- January 2007* Assistant professor at the Department of Mechanical Engineering at the University of Rome “Tor Vergata”
- Since January 2007* Associate professor at the Department of Mechanical Engineering at the University of Rome “Tor Vergata”
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Teaching experience:

- 2012 – 2018* **Lecturer** of the Course of “Fluidodinamica delle Macchine” (Fluidodynamics), MSc in Mechanical Engineering at the University of Rome Tor Vergata;
- 2007 – 2018* **Lecturer** of the Course of “Gasdinamica e Combustione” (Gasdynamics and combustion), MSc in Mechanical Engineering at the University of Rome Tor Vergata;
- 2004 - 2020* **Lecturer** of the Course of “Interazione tra le Macchine e l’ambiente I” (Fluid Machinery and Power Plants environmental impact), MSc in Mechatronic Engineering at the University of Rome Tor Vergata;
- 2020 – present* **Lecturer** of the courses “Macchine” (Fluid Machinery), MSc in Mechatronic Engineering at the University of Rome Tor Vergata;
- 2020- 2021* **Lecturer** of the Course of “Macchine per Fonti Rinnovabili”, MSc in Mechanical Engineering at the University of Rome Tor Vergata;

2020- present **Lecturer** of the Course of “Gasdinamica” (Gasdynamics), MSc in Mechanical Engineering at the University of Rome Tor Vergata

1998 - present He has been delivering many seminars and short courses on internal combustion engines, fuel cells, hybrid vehicles and thermo-fluid dynamics for MSc and PhD students and professionals.

Research projects:

1999 - present He has been collaborating and co-directing over 30 research projects on internal combustion engines, fuel cells, energy systems and thermo-fluid dynamics.

Research interests:

- Experimental analysis and multi-dimensional simulation of the injection, ignition and combustion process in internal combustion engines
- Analysis and multidimensional simulation of the internal combustion engine aftertreatment devices
- Energy management
- Experimental and numerical analysis of high temperature fuel cells and fuel cell systems
- Renewable energy systems

Publications:

Prof Andreassi has (co)authored over 90 publications in referred international journals and conference proceedings on internal combustion engines, fuel cells, energy systems and thermo-fluid dynamics.

Selected publications

1. L. Andreassi, M. Presti (1998). *Mass transfer phenomena in catalytic converter channels: a 3D numerical study about the influence of geometry on adsorption rate*. SIMAI 98, Giardini Naxos
2. M. Pontoppidan, M. Nuti, D. Caponi, A. De Maio, L. Andreassi (1999). *Experimental and Numerical Approach to Productionize a GDI-2 Stroke Spark Ignited small Displacement Engine Design*. SAE Small Engine Technology Conference and Exposition, Madison Wisconsin USA – SAE paper n. 1999-01-3290
3. L. Andreassi, A. De Maio, G. Bella, M. Bernaschi (1999). *Internal Combustion Engines computational tools: Use and Development*. ICE 1999, Capri
4. L. Andreassi, S. Cordiner, V. Rocco, M. Gambino, S. Iannacone (2001). *Analysis of Combustion Instability Phenomena in a CNG Fueled Heavy Duty Turbocharged Engine*. SAE International Spring Fuels & Lubricants, Meeting & Exhibition, Orlando, Florida, USA - SAE paper n. 2001-01-1907
5. L. Andreassi, S. Cordiner, V. Mulone, R. Bruck, M. Presti, J. Hodgson (2001). *Design Techniques to Improve the Performances of Metal Supported Flow-Through Particulate Traps: an Experimental and Numerical Approach*. ICE 2001, Capri – SAE-NA paper n. 2001-01-061
6. L. Andreassi e S. Cordiner (2001). *Valutazione delle prestazioni di un Sistema di Generazione di Energia con Celle a Combustibile ad Elettrolita Polimerico mediante un Modello di Simulazione*. 56° Congresso Nazionale ATI
7. L. Andreassi, S. Cordiner, R. Baciocchi, M. Giustiniani (2001). *Analisi Termofluidodinamica di un Bruciatore a Basse Emissioni di NO_x*. 56° Congresso Nazionale ATI

8. L. Andreassi, S. Cordiner, V. Rocco (2001). *Studio dell'Influenza del Processo di Accensione sulla simulazione della Combustione nei Motori Alimentati a Gas*. 56° Congresso Nazionale ATI
9. De Vita, L. Andreassi, L. Di Angelo (2001). *Experimental and Computational Study for the Optimization of Race Car Intake Air Flow*. SAE Small Engine Technology Conference and Exhibition, Pisa – SAE paper n. 2001-01-1852/4270
10. L. Andreassi, S. Cordiner, M. Feola (2002). *Analysis of Overall Efficiency of Fuel-Cell Based Power Generations Systems*. 6th Biennial Conference on Engineering Systems Design and Analysis, Istanbul, Turkey, – ASME paper n. ESDA2002/AES004
11. De Vita, L. Di Angelo, L. Andreassi, S. Romagnuolo (2002). *CFD-Aided Design of an Airbox for Race Cars*. SAE Automotive & Transportation Technology Congress, Parigi – SAE paper n. 2002-01-2167
12. L. Andreassi, S. Cordiner, V. Mulone, M. Presti (2002). *A Mixed Numerical-Experimental Analysis Procedure for Non-Blocking Metal Supported Soot Trap Design*. **SAE 2002 Transactions – Journal of Fuels and Lubricants** (presentata al 2002 Powertrain & Fluid Systems Conference, SAE paper n. 2002-01-2782)
13. L. Andreassi, S. Cordiner, V. Mulone, V. Rocco (2003). *An Analysis of 3D Simulation of SI Combustion with an Improved Version of the KIVA-3V Code: Numerical Formulation and Experimental Validation*. 2003 SAE World Congress – SAE paper n. 2003-01-0012
14. L. Andreassi, S. Cordiner, F. Romanelli (2003). *Performances Analysis of PEM Fuel Cell Based Automotive Systems under Transient Conditions*. 2003 SAE World Congress – SAE paper n. 2003-01-1144
15. De Vita, L. Andreassi, L. Di Angelo (2003). *CFD Analysis of Engines: an Advanced Approach Based on Codes Dynamically coupled*. 2003 Spring Technical Conference of the ASME Internal Combustion Engine Division, Salzburg, Austria – ASME paper n. ICES2003-680
16. L. Andreassi, S. Cordiner, V. Mulone, V. Rocco (2003). *A Modified Combustion Model to Simulate CNG Heavy Duty Fuelled by Using KIVA-3 Code*. 2003 Spring Technical Conference of the ASME Internal Combustion Engine Division, Salzburg, Austria – ASME paper n. ICES2003-664
17. L. Andreassi, S. Cordiner, M. Feola (2003). *Evaluation of Different Configurations of PEMFC Based Powertrain System*. 16th International Conference on Efficiency, Costs Optimization, simulation and Environmental Impact of Energy Systems ECOS2003, Copenhagen, Denmark
18. L. Andreassi, S. Cordiner, V. Mulone, C. Reynolds, R. Evans (2003). *Numerical and Experimental Comparison of the Performance of a Natural Gas Fuelled IC Engine*. ICE 2003 6th International conference on Engines for Automobile, Capri – SAE-NA paper n. 2003-01-44
19. L. Andreassi, S. Cordiner, V. Mulone, V. Rocco (2003). *Studio del processo di combustione turbolenta nei motori ad accensione comandata*. 58° Congresso Nazionale ATI
20. De Vita, L. Andreassi (2003). *Analisi CFD di motori alternativi a combustione interna. Parte I: metodologia di accoppiamento dinamico tra codici 1D e 3D*. 58° Congresso Nazionale ATI
21. De Vita, L. Andreassi (2003). *Analisi CFD di motori alternativi a combustione interna. Parte II: ottimizzazione fluidodinamica della presa d'aria di un'auto da corsa*. 58° Congresso Nazionale ATI
22. L. Andreassi, S. Cordiner, V. Rocco (2003). *Modelling the early stage of S.I. engine combustion using the KIVA-3V code incorporating an ignition model*. **International Journal of Engine Research, IMECHE, 2003 Vol.4 No 3**
23. L. Andreassi, V. Mulone, P. Valentini, L. Vita (2004). *A CFD-FEM Approach to Study Wing Aerodynamics under Deformation*. 2004 SAE World Congress – SAE paper n. 2004-01-0444
24. L. Andreassi, S. Cordiner, V. Mulone (2004). *Cell Shape Influence on Mass Transfer and Backpressure Losses in an Automotive Catalytic Converter*. 2004 Spring Fuels & Lubricants Meeting, Toulouse, France – SAE paper n. 2004-01-1837
25. L. Andreassi, S. Cordiner, M. Feola, F. Romanelli (2004). *Development and experimental validation of a simulation tool for a fuel cell based power system*. 7th Biennial Conference on Engineering Systems Design and Analysis, Manchester, UK – ASME paper n. ESDA2004-58276

26. L. Andreassi, A. De Vita, V. Mulone (2004). *CFD Analysis of High Performance Internal Combustion Engine Intake Systems*. International Conference On Vehicle Alternative Fuel Systems & Environmental Protection (VAFSEP), Dublin, Ireland
27. L. Andreassi, S. Cordiner, F. Romanelli (2004). *Conceptual Design and Modelling of a Fuel Cell Pedal Assisted Bicycle*. Small Engine Technology Conference (SETC), Graz, Austria – SAE paper n. 2004-32-0049
28. L. Andreassi, S. Cordiner, V. Mulone, C. Reynolds, R. Evans (2004). *Numerical-Experimental Comparison of the Performance of a Partially Stratified Charge Natural Gas Fuelled Engine*. ASME Internal Combustion Engine Division 2004 Fall Technical Conference, Long Beach, CA, USA – ASME paper n. ICEF2004-912
29. L. Andreassi, S. Cordiner, V. Mulone, V. Rocco (2004). *Sviluppo e validazione di una metodologia di simulazione 3D-1D del ciclo di funzionamento di motori a combustione interna ad accensione comandata alimentati a gas naturale*. 59° Congresso Nazionale ATI
30. L. Andreassi, R. Baudille, M.E. Biancolini (2004). *CFD Investigation about spew formation in adhesive joints*. 4th AIMETA International Tribology Conference (AITC)
31. Reynolds, R.L. Evans, L. Andreassi, S. Cordiner, V. Mulone (2005) *The Effect of Varying Injected Fuel-Air Charge Stoichiometry in a Partially Stratified Charge Natural Gas Engine*. SAE WORLD Conference 2005 – SAE Paper 2005-01-0247
32. L. Andreassi, S. Cordiner, V. Mulone, V. Rocco, R.L.Evans, C. Reynolds (2005) *Motori a gas naturale a carica stratificata: simulazione 3D e metodologia di progettazione*. 60° Congresso Nazionale ATI
33. L. Andreassi, S. Cordiner, M. Feola, F. Romanelli (2005). *Ottimizzazione di un sistema a celle a combustibile mediante tecniche di integrazione*. 60° Congresso Nazionale ATI
34. L. Andreassi, S. Ubertini (2005). *Multidimensional Modelling of Spray Impingement in Modern Diesel Engines*. ICE 2005 7th International conference on Engines for Automobile, Capri – SAE paper n. 2005-24-092
35. L. Andreassi, V. Mulone, V. Rocco (2005). *Design and Optimisation of an Intake System for an Off Shore Race Engine*. ICE 2005 7th International conference on Engines for Automobile, Capri – SAE paper n. 2005-24-068
36. L. Andreassi, S. Cordiner, V. Mulone, C. Reynolds, R. Evans (2005) *A mixed numerical-experimental analysis for the development of a partially stratified Compressed Natural Gas Engine*. ICE 2005 7th International conference on Engines for Automobile, Capri – SAE paper n. 2005-24-029
37. L. Allocca, L. Andreassi, S. Ubertini (2006). *Evaluation of Spray Impingement Models in Multidimensional Simulation of High Speed Diesel Engines*. SAE WORLD Conference 2006 – SAE paper n.2006-01-1117
38. L. Andreassi, G. De Simone, V. Rocco (2006) *A CFD- FEM approach to study helicopter rotor aerodynamics under deformation*. International Conference On Vehicle Alternative Fuel Systems & Environmental Protection (VAFSEP), Dublin, Ireland
39. L. Allocca, L. Andreassi, G. Bella, A. De Vita, V. Rocco, S. Ubertini (2006) *Spray-wall impingement for common rail injection apparatus*. International Conference On Vehicle Alternative Fuel Systems & Environmental Protection (VAFSEP), Dublin, Ireland
40. L. Andreassi, G. Bella, V. Rocco, S. Ubertini, L. Allocca (2006) *Modelli avanzati per la simulazione dell'impatto di spray Diesel ad alta pressione con parete*. 61° Congresso Nazionale ATI
41. L. Allocca, L. Andreassi, A. De Vita, V. Rocco, S. Ubertini (2006). *Experimental analysis of high-pressure diesel spray impingement on a flat wall*. 13th International Heat Transfer Conference
42. L. Allocca, L. Andreassi, S. Ubertini (2007). *Enhanced splash models for high pressure diesel spray*. **Journal of Engineering for Gas Turbines and Power** - Volume 129, Issue 2, pp. 609-621 (presentata al 8th Biennial Conference on Engineering Systems Design and Analysis, Torino – ASME paper n. ESDA2006-95716)
43. L. Andreassi, R. Baudille, M.E. Biancolini (2007). *Spew formation in a single lap joint*. **International Journal of Adhesion and Adhesives** Volume 27, Issue 6 , pp 458-468
44. L. Andreassi, S. Ubertini, L. Allocca (2007) *Experimental and numerical analysis of high pressure Diesel spray-wall interaction*. **International Journal of Multiphase Flow** Volume 33, pp. 742-765

45. L. Andreassi, S. Ubertini, L. Allocca, V. Rocco (2007) *A general splash model for direct injection engine multidimensional simulation*. ICE 2007 8th International conference on Engines for Automobile, Capri – SAE paper n. 2007-24-0022
46. L. Andreassi, R. Bove, G. Rubeo, S. Ubertini, P. Lunghi (2007) *Experimental and Numerical analysis of a radial flow solid oxide fuel cell*. **International Journal of Hydrogen energy** Volume 32 Issue 12 pp. 4559-4771
47. S. Ubertini, L. Andreassi, C. Toro (2007) *Modeling Carbon Monoxide Direct Oxidation in Solid Oxide Fuel Cells*. Proceedings of the Second European Fuel Cell Technology and Applications Conference EFC2007. ASME paper n. EFC 2007-39057
48. F. Bozza, A. Gimelli, L. Andreassi, V. Rocco, R. Scarcelli (2008) *1D-3D Analysis of the Scavenging and Combustion Process in a Gasoline and Natural-Gas Fuelled Two-Stroke Engine* SAE WORLD Conference 2008 – SAE paper n.2008-01-1087
49. V. Amati, L. Andreassi, E. Sciubba, C. Toro (2008) *Modelling and Simulation of a Hybrid Solid Oxide Fuel Cell Coupled with a Gas Turbine Power Plant*. ECOS 2008
50. L. Andreassi, C. Toro, S. Ubertini (2008) *Modello 3D di celle a combustibile ad ossidi solidi alimentate da miscele di idrogeno e monossido di carbonio* 63° Congresso Nazionale ATI
51. L. Andreassi, C. Toro and S. Ubertini (2009) *Modeling Carbon Monoxide Direct Oxidation in Solid Oxide Fuel Cells*. **Journal of Fuel Science and Technology** Volume 6 Issue 2
52. L. Andreassi, M.V. Ciminelli, M. Feola, S. Ubertini (2009) *Innovative Method for Energy Management: Modelling and Optimal Operation of Energy Systems* **Energy and Buildings** Volume 41 pp. 436-444
53. L. Andreassi, A.L. Facci, S. Ubertini (2009) *A Multidimensional Model to Simulate Direct Gaseous Fuel Injection in Internal Combustion Engines* Proceedings of ICES2009 ASME Paper ICES2009-76008
54. L. Andreassi, M.V. Ciminelli, B. di Silvio, V. Introna, S. Ubertini (2009) *Systematic approach to Energy Saving: an integrated methodology for industrial plant* Proceedings of the Fourth International Exergy, Energy and Environment Symposium
55. C. Brutti, L. Andreassi, M.E. Biancolini (2009) *Designing Better Ovens—Faster* – **Appliance Magazine** April 2009
56. L. Andreassi, C. Toro, S. Ubertini (2008) *Modello 3D di celle a combustibile ad ossidi solidi alimentate da miscele di idrogeno e CO – Parte prima* **La Termotecnica** giugno 2009 pp 49-56
57. L. Andreassi, C. Toro, S. Ubertini (2008) *Modello 3D di celle a combustibile ad ossidi solidi alimentate da miscele di idrogeno e CO – Parte seconda* **La Termotecnica** settembre 2009 pp 61-66
58. L. Andreassi, A.L. Facci, S. Ubertini (2009) *Multidimensional Modelling of Gaseous Injection in Modern Direct Injection Internal Combustion Engines: Analysis of Different Fuel Injection Strategies* ICE 2007 9th International conference on Engines for Automobile, Capri – SAE paper n. 2009-24-0030
59. L. Andreassi, A.L. Facci, S. Ubertini (2009) *Modello di simulazione del processo di iniezione di gas nei motori a combustione interna* 64° Congresso Nazionale ATI
60. V. Amati, L. Andreassi, E. Sciubba, C. Toro (2009) *Modelling and Simulation of a Hybrid Solid Oxide Fuel Cell Coupled with a Gas Turbine Power Plant*. **International Journal of Thermodynamics** Vol. 12 No 3 pp 131-139
61. L. Andreassi, D. Chiappini, E. Jannelli, S. Ubertini (2009) *Ultra Low Carbon Dioxide Emission MCFC Based Power Plant*. ASME International Mechanical Engineering Congress & Exposition IMECE 2009 – ASME paper n. IMECE 2009-12648
62. L. Andreassi, A.L. Facci, S. Ubertini (2010) *Three-dimensional simulation of gaseous fuel injection through a hybrid approach* **Journal of Engineering for Gas Turbines and Power** Volume 132, Issue 7
63. L. Andreassi, A.L. Facci, S. Ubertini (2010) *Numerical simulation of gaseous fuel injection: a new methodology for multi-dimensional modelling* **International Journal for Numerical Methods in Fluids** Vol. 64 pp. 609–626
64. L. Andreassi, A. Facci, V. K. Krastev, S. Ubertini (2010) *Multidimensional Modelling of Gaseous Injection: Analysis of an Impinging Jet* **International Journal of Heat and Fluid Flow** Vol. 31 pp. 909–915

65. L. Andreassi, A. Facci, V. K. Krastev, S. Ubertini (2010) *Simulazione multidimensionale dell'iniezione di combustibili allo stato gassoso: analisi di un getto impattante su parete piana* 65° Congresso Nazionale ATI
66. S. Capobianchi, F. Martini, L. Andreassi, V. Introna (2010) *Methodology development for a comprehensive and cost-effective energy management in public administrations* IASTED conference on Power and Energy Systems (AsiaPES 2010)
67. L. Andreassi, D. Chiappini, E. Jannelli, S. Ubertini (2011) *Ultra Low Carbon Dioxide Emission MCFC Based Power Plant*. **Journal of Fuel Cell Science and Technology** Volume 8 Issue 3, doi 10.1115/1.4002903
68. L. Andreassi, G. Falcucci, E. Jannelli, S. Ubertini (2011) *Three-dimensional numerical analysis and experimental characterization of a High Temperature-PEM fuel cell* Proceedings of the Fourth European Fuel Cell Technology and Applications Conference EFC2011. ASME paper n. EFC 11148
69. L. Andreassi, S. Capobianchi, V. Introna, F. Martini, S. Ubertini (2011) Definizione e sviluppo di una metodologia per la razionalizzazione dei consumi nelle Pubbliche Amministrazioni - Parte I **La Termotecnica** novembre 2011
70. L. Andreassi, S. Capobianchi, V. Introna, F. Martini, S. Ubertini (2011) Definizione e sviluppo di una metodologia per la razionalizzazione dei consumi nelle Pubbliche Amministrazioni - Parte II **La Termotecnica** dicembre 2011
71. L. Andreassi, S. Ubertini, N. Sammes (2008) *CFD-based results for planar and micro-tubular single cell designs* chapter in **Modeling Solid Oxide Fuel Cells: Methods, Procedures and Techniques**, Springer ISBN-13: 978-1-4020-6994-9 e-ISBN-13: 978-1-4020-6995-6
72. L. Andreassi, S. Ubertini (2010) *Optimal Management of Power Systems* chapter in **Energy Management**, Intech ISBN 978-953-307-065-0
73. L. Andreassi, S. Capobianchi, V. Introna, F. Martini, S. Ubertini (2011) *Methodology for a comprehensive and cost-effective Energy Management in public administrations* chapter in **Energy Technology and Management**, Intech ISBN 978-953-307-742-0
74. L. Andreassi, S. Capobianchi, V. Introna, F. Martini, S. Ubertini (2011) *Methodology for a comprehensive and cost-effective Energy Management in industrial plants* chapter in **Energy Management Systems**, Intech ISBN 978-953-307-579-2
75. L. Andreassi, A.L. Facci, F. Martini, S. Ubertini (2013) Optimization of CHCP operation strategy: cost vs primary energy consumption minimization ASME paper IMECE 2013-64965 International Mechanical & Engineering Congress & Exposition San Diego (USA)
76. A.L. Facci, L. Andreassi, S. Ubertini, E. Sciubba (2013) Analysis of the influence of Thermal Energy Storage on the Optimal Management of a Trigeneration Plant 68th Congress of the Italian Thermal Machines Engineering Association ATI 2013
77. L. Andreassi, A.L. Facci, S. Ubertini (2014) Optimization of CHCP (combined heat and power cooling) systems Operation Strategy Using Dynamic Programming. **Energy** <http://dx.doi.org/10.1016/j.energy.2013.12.069>
78. L. Andreassi, G. Falcucci, E. Jannelli, S. Ubertini (2013) Numerical Characterization of Micro-CHP Systems based on HT-PEM Fuel Cells European Fuel Cells Conference 2013
79. A.L. Facci, L. Andreassi, S. Ubertini, E. Sciubba (2014) Analysis of the influence of Thermal Energy Storage on the Optimal Management of a Trigeneration Plant **Energy Procedia** 45 (2014) 1295 – 1304
80. A. Zanfardino, L. Andreassi, F. Martini, S. Ubertini (2014) Energy audits in the service sector buildings ASME Paper ESDA 2014-20113 Proceedings of the ASME 2014 12th Biennial Conference on Engineering Systems Design and Analysis
81. L. Andreassi, A.L. Facci, F. Martini, S. Ubertini (2014) Comparing Energy and Cost Optimization in Distributed Energy Systems Management *Journal of Energy Resources Technology* 136(3) ^[1]_[SEP]
82. R.A. Nastro, N. Jannelli, M. Minutillo, M. Guida, M. Trifuoggi, L. Andreassi, A.L. Facci, V.K. Krastev, G. Falcucci (2016) Performance evaluation of Microbial Fuel Cells fed by solid organic waste: parametric comparison between three generations The 8th International Conference on Applied Energy – ICAE2016 ^[1]_[SEP]

83. R.A. Nastro, N. Jannelli, M. Minutillo, M. Guida, M. Trifuoggi, L. Andreassi, A.L. Facci, V.K. Krastev , G. Falcucci (2017) Performance evaluation of Microbial Fuel Cells fed by solid organic waste: parametric comparison between three generations Energy Procedia (105) 1102-1108 ^[L]_[SEP]
84. Stefano Ubertini, Andrea Luigi Facci, Luca Andreassi (2017) Hybrid Hydrogen and Mechanical Distributed Energy Storage Energies 10, 2035; doi:10.3390/en10122035 ^[L]_[SEP]
85. Luca Andreassi, Giacom Falcucci, Andrea Luigi Facci e Stefano Ubertini (2019) Environmental and Health Impact of Electric and Hydrogen Light Vehicles: The Case of an Italian Small City SAE Technical Paper 2019-24-0250, 2019, doi:10.4271/2019-24-0250
86. L. Andreassi, S. Ubertini, N.Sammes (2008) *CFD-based results for planar and micro-tubular single cell designs* chapter in **Modeling Solid Oxide Fuel Cells: Methods, Procedures and Techniques**, Springer ISBN-13: 978-1-4020-6994-9 e-ISBN-13: 978-1-4020-6995-6
87. L. Andreassi, S. Ubertini (2010) *Optimal Management of Power Systems* chapter in **Energy Management**, Intech ISBN978-953-307-065-0
88. L. Andreassi, S. Capobianchi, V. Introna, F. Martini, S. Ubertini (2011) *Methodology for a comprehensive and cost-effective Energy Management in public administrations* chapter in **Energy Technology and Management**, Intech ISBN 978-953-307-742-0
89. L. Andreassi, S. Capobianchi, V. Introna, F. Martini, S. Ubertini (2011) *Methodology for a comprehensive and cost-effective Energy Management in industrial plants* chapter in **Energy Management Systems**, Intech ISBN 978-953-307-579-2

Patent

L.Andreassi, D.Coloccini, A.Ricci, G. Vairo (2008) Surface-piercing propeller propulsion system and boat integrating sucha propulsion system Patent n. EP2045183