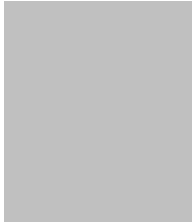


PERSONAL INFORMATION

Franco Rispoli



✉ Franco.rispoli@uniroma1.it
 🌐 <https://orcid.org/0000-0001-5916-1261>

Sex M | Date of birth 01/12/1955 | Nationality Italy

Enterprise	University	EPR
<input type="checkbox"/> Management Level	<input checked="" type="checkbox"/> Full professor	<input type="checkbox"/> Research Director and 1st level Technologist / First Researcher and 2nd level Technologist
<input type="checkbox"/> Mid-Management Level	<input type="checkbox"/> Associate Professor	<input type="checkbox"/> Level III Researcher and Technologist
<input type="checkbox"/> Employee / worker level	<input type="checkbox"/> Researcher and Technologist of IV, V, VI and VII level / Technical collaborator	<input type="checkbox"/> Researcher and Technologist of IV, V, VI and VII level / Technical collaborator

WORK EXPERIENCE

- From 01/11/2006 **Full professor of energy and environmental systems**
 Dept. of Mech and Aerospace Engrg, Sapienza University of Rome
 Leading the research team on science modelling of Fluid Machinery and Energy Systems
- From 01/01/2014 **Director of Master EFER: Efficienza Energetica e Fonti Rinnovabili (Energy Efficiency and Renewable Energies).** Dept. of Mech and Aerospace Engrg, Sapienza University of Rome
- From 2020 **President of OWEMES: Offshore Wind and Other Marine Renewable Energies in Mediterranean and European Seas**
- From 2017 to 2022 **Panellist consolidator grants and review of starting and advanced grants**
 European Research Council (ERC)
 Government Agency
- From 01/01/2012 **National Coordinator (Italy)**
 European Research Community on: "Flow, Turbulence and Combustion" ERCOFTAC.
- From 2004 **Visiting Research**
 Team for Advanced Flow Simulation and Modeling, Rice University, TX (USA)
 Academia
- From 01/01/1988 to 31/07/1988 **Research Contract**
 European Center for Scientific and Engineering Computing IBM (Italy).

EDUCATION AND TRAINING

- From 1984 to 1987 **PhD in Energy**
 Sapienza University of Rome, Italy

PERSONAL SKILLS

- Mother tongue(s) Italian

Other language(s)	English, Serbian
Job-related skills	Numerous grants during 40 year of research activities for several millions of euros.
Digital skills	Creator the code named Xenios and Xenios++, and FEMPar parallel finite element code.
Other skills	Specific research expertise: <ul style="list-style-type: none"> - Development of numerous energy system codes - Development of parallel codes - Numerical methods for turbomachinery flow simulation - Numerical methods for particle laden flows and erosion in turbomachinery - Numerical methods for Fluid-Structure-Interaction in turbomachinery - RES: Ocean Energy and innovative design of air turbines for OWC system - RES: Development of large-scale Wind Turbine - Turbomachinery: Advanced design concepts in industrial fans & blowers - Turbomachinery: Axial and radial turbines - Rotating machinery: Diagnosis and control of stall and separation.

Bibliometrics: documents (Scopus): 165, H-index: 31, Citations: 2507, 168 documents.

ADDITIONAL INFORMATION

Publications

Journals

1. Agati G., Borello D.; Di Gruttola F.; Rispoli F.; Castorriani A.; Gabriele S.; Venturini P., Numerical Prediction of Long Term Droplet Erosion and washing Efficiency of an Axial Compressor through the Use of a Discrete Mesh Morphing Approach. (2023), Journal of Turbomachinery, Vol. 145(3): 031009.
2. Barnabei, V. F.; Castorriani Alessio; Corsini, A.; Rispoli, F., Morphing of reversible axial fan blade: A FSI-FEM study, 2022.
3. Castorriani A., P. Venturini, A. Corsini, F. Rispoli, Machine learnt prediction method of droplet erosion damage on wind turbine blades, Wind Energy, 2021.
4. Agati, G.; Borello, D.; Camerlengo, G.; Rispoli, F.; Sesterhenn, J. Direct Numerical Simulation of an Oblique Jet in a Particle-Laden Crossflow, pp. 61-68. - ERCOFTAC SERIES, 2020.
5. Castorriani, A., Venturini, P., Corsini, A., Rispoli, F., Takizawa, K., Tezduar, T.E., Computational analysis of particle-laden-airflow erosion and experimental verification, Computational Mechanics, <https://doi.org/10.1007/s00466-020-01834-0>, 2020.
6. Agati, G.; Borello, D.; Camerlengo, G.; Rispoli, F.; Sesterhenn, J. Direct Numerical Simulation of an Oblique Jet in a Particle-Laden Crossflow, pp. 61-68. - ERCOFTAC SERIES, 2020.
7. Castorriani, A., Venturini, P., Corsini, A., Rispoli, F., Takizawa, K., Tezduar, T.E., Computational analysis of particle-laden-airflow erosion and experimental verification, Computational Mechanics, <https://doi.org/10.1007/s00466-020-01834-0>, 2020.
8. Venturini, P.; Andreoli, M.; Borello, D.; Rispoli, F.; Gabriele, S. Modeling of water droplets erosion on a subsonic compressor cascade - FLOW TURBULENCE AND COMBUSTION. - ISSN 1386-6184. - 103:4, pp. 1109-1125, 2019.
9. Castorriani A., Venturini P., Corsini A., Rispoli F., Numerical Simulation of the Blade Aging Process in an Induced Draft Fan Due to Long Time Exposition to Fly Ash Particles, Journal of Engineering for Gas Turbines and Power, 2019.
10. Castorriani A., Corsini A., Rispoli F., Takizawa K., Tezduar T.E., A stabilized ALE method for computational fluid-structure interaction analysis of passive morphing in turbomachinery, Mathematical Models and Methods in Applied Sciences 2019.
11. Castorriani A., Corsini A., Rispoli F., Venturini P., Takizawa K., Tezduar T.E., Computational analysis of performance deterioration of a wind turbine blade strip subjected to environmental erosion, Computational Mechanics, 2019.
12. Castorriani A., Corsini A., Sheard A.G., Rispoli F., Numerical testing of a trailing edge passive morphing control for large axial fan blades, Journal of Engineering for Gas Turbines and Power, 2018.

13. Salvagni A., Borello D., Rispoli F., Hanjalić K., Large-eddy simulations of heat transfer in asymmetric rib-roughened ducts: Effects of rotation, *International Journal of Heat and Fluid Flow*, 2017.
14. Cardillo, Lucio; Corsini, Alessandro; Delibra, Giovanni; Rispoli, Franco; Tezduyar, Tayfun E., Flow analysis of a wave-energy air turbine with the SUPG/PSPG stabilization and Discontinuity-Capturing Directional Dissipation, *COMPUTERS & FLUIDS Elsevier Ltd* 141 184 190 2016.
15. Castorini, Alessio; Corsini, Alessandro; Rispoli, Franco; Venturini, Paolo; Takizawa, Kenji; Tezduyar, Tayfun E., Computational analysis of wind-turbine blade rain erosion, *COMPUTERS & FLUIDS Elsevier Ltd* 141 175 183 2016.
16. Corsini, A.; Fanfarillo, G.; Rispoli, F.; Venturini, P., Pollutant emissions in common-rail diesel engines in extraurban cycle: rapeseed oils vs diesel fuel, *ENERGY PROCEDIA* 82 141 148 2015.
17. Andrea Calabriso; Luca Cedola; Luca Del Zotto; Simone Giovanni Santori; Franco Rispoli, Performance investigation of Passive Direct Methanol Fuel Cell in different structural configurations, *JOURNAL OF CLEANER PRODUCTION* 88 23 28 2015.
18. Hanjalić K., Borello D., Delibra G., Rispoli F., 2015, Hybrid LES/RANS of internal flows: A case for more advanced RANS, *Springer Notes on Numerical Fluid Mechanics and Multidisciplinary Design*, Volume 130, 2015, Pages 19-35.
19. Rispoli, F., Delibra, G., Venturini, P., Corsini, A., Saavedra, R., Tezduyar, T.E., 'Particle tracking and particle–shock interaction in compressible-flow computations with the V-SGS stabilization and YZ shock-capturing', *Computer Mechanics*, Volume 55 Issue 6, (2015) pp 1201-1209 (DOI 10.1007/s00466-015-1160-3).
20. Cardillo, L., Corsini, A., Delibra, G., Rispoli, F. & Sheard A.G., 'A Numerical Investigation into the Aerodynamic Effect of Pressure Pulses on a Tunnel Ventilation Fan'. *Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy* May 2014 228: 285-299.
21. Cardillo, L., Corsini, A., Delibra, G., Rispoli, F. & Sheard, A.G., 'Predicting the Performance of an Industrial Centrifugal Fan Incorporating Cambered Plate Impeller Blades'. *Periodica Polytechnica, Mechanical Engineering*, Vol 58, No 1 (2014), pp. 15-25.
22. Corsini, A., Rispoli, F., Sheard, A.G. Tezduyar T.E., Takizawa K. & Venturini P., 'A variational multiscale method for cloud particle-tracking in turbomachinery flows. *Computational Mechanics* (2014) Volume 54, Issue 5, pp 1191-1202.
- A. Corsini, F. Rispoli, P. Venturini, G. Sheard: Numerical simulation of coal-fly ash erosion in an induced draft fan. *ASME Journal of Fluids Engineering*, 2013:135, paper 081303, pp. 1-12 (DOI: 10.1115/1.4024127).
23. Borello, D., Corsini, A., Rispoli, F. and Tortora, E., 2013, 'A co-powered Concentrated Solar Power Rankine cycle concept for small size Combined Heat and Power', *Energies*, 6, 1478-1496; doi:10.3390/en6031478.
24. Bianchi, S., Borello, D., Corsini, A., Rispoli, F., and Sheard, A. G., 2013, 'Large-eddy simulation of the aerodynamic and aero-acoustic performance of a ventilation fan', *Advances in Acoustics and Vibration*, Article ID 876973, doi: 10.1155/2013/876973.
25. Borello, D., Rispoli, F., Venturini, P., and Saavedra G. Z., R., 2013, 'Prediction of multiphase combustion and ash deposition within a biomass furnace', *Applied Energy*, Elsevier, 101, pp. 413-422.
26. Borello, D., Rispoli, F. and Venturini, P., 2012, 'An integrated particle-tracking impact/adhesion model for the prediction of fouling in a subsonic compressor', *Journal of Engineering for Gas Turbines and Power* – Transaction of ASME, Settembre 2012, 134, 092002 (2012).
27. Corsini A., Rispoli F, Tezduyar T.E (2012). Computer modeling of wave-energy air turbines with the SUPG/PSPG formulation and discontinuity-capturing technique. *Journal of Applied Mechanics*, vol. 79-1, paper 010910 (8 pages).
28. Corsini, A., Rispoli, F., Sheard, A.G. & Tezduyar T.E. (2012), 'Computational Analysis of Noise Reduction Devices in Axial Fans with Stabilized Finite Element Formulations'. *Computational Mechanics*, vol. 50, pp. 695-705.
29. Borello, D., Corsini, A., Delibra, G., Evangelisti, S., and Micangeli, A., 2012, Experimental and computational investigation of a new solar integrated collector storage system, *Applied Energy*, Elsevier, Volume 97, September 2012, Pages 982-989, 10.1016/j.apenergy.2012.01.026.
- A. Corsini; Marchegiani A; Rispoli F; Venturini P; Sheard A.G (In Corso Di Stampa). Predicting Blade Leading Edge Erosion in an Axial Induced Draft Fan *JOURNAL OF ENGINEERING FOR GAS TURBINES AND POWER* (ISSN:0742-4795).
30. Corsini; Rispoli F; Tezduyar T.E (In Corso Di Stampa). Computer modeling of wave-energy air turbines with the SUPG/PSPG formulation and discontinuity-capturing technique *JOURNAL OF APPLIED MECHANICS* (ISSN:0021-8936), 79-1.
31. P. Venturini, D. Borello, K. Hanjalic, F. Rispoli (In Corso Di Stampa). Modelling of particles deposition in an environment relevant to biomass-fired boilers *APPLIED THERMAL ENGINEERING* (ISSN:1359-4311).
32. Bianchi S.; Sheard A. G.; Corsini A.; Rispoli F. (2011). Far-field radiation of aerodynamic sound sources in axial fans fitted with passive noise-control features *JOURNAL OF VIBRATION AND ACOUSTICS* (ISSN:1048-9002), 1- 11, 113.
- A. Corsini; Rispoli F; Sheard A.G (2010). Shaping of tip end-plate to control leakage vortex swirl in axial flow fans *JOURNAL OF TURBOMACHINERY* (ISSN:0889-504X), 031005-1- 031005-9, 132.
33. Venturini P; Borello D; Iossa C; Lentini D; F. Rispoli (2010). Modeling of multiphase combustion and deposit formation in a biomass-fed furnace *ENERGY* (ISSN:0360-5442), 3008- 3021, 35.
34. D. Borello; G. Delibra; K. Hanjalic; F. Rispoli (2010). LES and hybrid LES/RANS study of flow and heat transfer in plate fin and tube heat exchanger. In: J. Peinke; M. Oberlack; A. Talamelli (Editors). *Progress in Turbulence III*. Springer-Verlag, 147- 150, 131.
35. G. Delibra; K. Hanjalic; D. Borello; F. Rispoli (2010). Vortex structures and heat transfer in a wall-bounded pin matrix: LES with a RANS wall-treatment *INTERNATIONAL JOURNAL OF HEAT AND FLUID FLOW* (ISSN:0142-727X), 740- 752, 31.

36. Corsini A.; F. Rispoli; Tezduyar T.E. (2010). Stabilized finite element computation of NOx emission in aero-engine combustors INTERNATIONAL JOURNAL FOR NUMERICAL METHODS IN FLUIDS (ISSN:0271-2091), 254- 279, 65.
37. Corsini A; Iossa C; F. Rispoli; Tezduyar T.E (2010). A DRD finite element formulation for computing turbulent reacting flows in gas turbine combustors COMPUTATIONAL MECHANICS (ISSN:0178-7675), 159- 167, 46.
38. Borello D; Delibra G; K. Hanjalic; F. Rispoli (2010). Scrutinizing a seamless hybrid LES/RANS approach for turbomachinery applications (short communication). In: S.H. Peng, P. Doerffer and W. Haase. Progress in hybrid RANS-LES modelling. Springer-Verlag, 111.
39. F. Rispoli; Saavedra R.Z; Menichini F; Tezduyar T. E (2009). Computation of Inviscid Supersonic Flows Around Cylinders and Spheres with the V-SGS Stabilization and YZ beta Shock-Capturing JOURNAL OF APPLIED MECHANICS (ISSN:0021-8936), 021209-1- 021209-6, 76.
40. Corsini A; F. Rispoli; Tortora E; Gamberale M (2009). Assessment of H2 and H2O-based renewable energy-buffering systems in minor islands RENEWABLE ENERGY (ISSN:0960-1481), 279- 288, 34-1.
41. Corsini A; F. Rispoli; Sheard A. G (2009). Aerodynamic performance of blade tip end-plates designed for low-noise operation in axial-flow fans. JOURNAL OF FLUIDS ENGINEERING (ISSN:0098-2202), 081101-1- 081101-13, 131-8.
42. G. Delibra; D. Borello; K. Hanjalic; F. Rispoli (2009). URANS of Flow and Endwall Heat Transfer in a Pinned Passage Relevant to Gas Turbine Blade Cooling INTERNATIONAL JOURNAL OF HEAT AND FLUID FLOW (ISSN:0142-727X), 549- 560, 30.
43. D. Borello; G. Delibra; K. Hanjalic; F. Rispoli (2009). Large-eddy simulations of tip leakage and secondary flows in an axial compressor cascade using a near-wall turbulence model PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS. PART A, JOURNAL OF POWER AND ENERGY (ISSN:0957-6509), 645- 655, 223.
44. Bianchi S; Sheard A. G; Kinghorn I. R; Corsini A; F. Rispoli (2009). Experimental development of a measurement technique to resolve the radial distribution of fan aero-acoustic emissions. NOISE CONTROL ENGINEERING JOURNAL (ISSN:0736-2501), 360- 369, 57-4.
45. Corsini; Menichini F; Rispoli F; Santoriello A; Tezduyar T.E (2009). A multiscale finite element formulation with discontinuity capturing for turbulence models with dominant reaction-like terms. JOURNAL OF APPLIED MECHANICS (ISSN:0021-8936), 021211-1- 021211-8, 76-2.
46. Bianchi S; Corsini A; F. Rispoli; Sheard A. G (2009). Experimental Aeroacoustics Studies on Improved Tip Geometries for Passive Noise Signature Control in Low-Speed Axial Fan JOURNAL OF VIBRATION AND ACOUSTICS (ISSN:1048-9002), 1- 10, 131.
47. Bianchi S; Corsini A; F. Rispoli; Sheard A. G (2009). Detection of Aerodynamic Noise Sources in Low-Speed Axial Fans with Tip End-Plates PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS. PART C, JOURNAL OF MECHANICAL ENGINEERING SCIENCE (ISSN:0954-4062), 1379- 1392, 223-6.
48. G. Delibra; D. Borello; K. Hanjalic; F. Rispoli (2008). LES of flow and heat transfer in a channel with a staggered cylindrical pin matrix. In: SPRINGER. Direct and Large Eddy Simulation VII. Springer Science and Media B.V, 311- 317.
49. Corsini, Rispoli F., And A G Sheard (2007). Development of improved blade tip endplate concepts for low-noise operation in industrial fans. PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS. PART A, JOURNAL OF POWER AND ENERGY, vol. 221; p. 669-681, ISSN: 0957-6509, doi: 10.1234/09576509JPE386.
50. Borello D, Hanjalic K, Rispoli F. (2007). Computational of tip leakage flows in a linear compressor cascade with Second Moment Closure. INTERNATIONAL JOURNAL OF HEAT AND FLUID FLOW, vol. 28; p. 587-601, ISSN: 0142-727X.
51. Rispoli F., Corsini A, Tezduyar T. E (2007). Finite element computation of turbulent flows with the Discontinuity-Capturing Directional Dissipation (DCDD). COMPUTERS & FLUIDS, vol. 36; p. 121-126, ISSN: 0045-7930.
52. Rispoli F., Saavedra R, Corsini A, Tezduyar T.E (2007). Computation of inviscid compressible flows with the V-SGS stabilization and Y Z beta shock-capturing. INTERNATIONAL JOURNAL FOR NUMERICAL METHODS IN FLUIDS, vol. 54/6-8; p. 695-706, ISSN: 0271-2091, doi: 10.1002/FLD.1447.
53. Corsini A, Gamberale M, Rispoli F. (2006). Assessment of renewable energy solutions in an Italian small island energy system using a transient simulation model. JOURNAL OF SOLAR ENERGY ENGINEERING, vol. 128; p. 237-244, ISSN: 0199-6231.
54. Corsini A, Rispoli F., Santoriello A, Tezduyar T (2006). Improved Discontinuity Capturing finite element techniques for reaction effects in turbulence computation. COMPUTATIONAL MECHANICS, vol. 38; p. 356-364, ISSN: 0178-7675.
55. Rispoli F., Saavedra R. G. Z (2006). A stabilized finite element method based on SGS models for compressible flows. COMPUTER METHODS IN APPLIED MECHANICS AND ENGINEERING, vol. 196; p. 652-664, ISSN: 0045-7825.
56. Borello D., Rispoli F., Hanjalic K. (2005). Prediction of cascade flows with innovative second-moment closures. JOURNAL OF FLUIDS ENGINEERING, vol. 127; p. 1059-1070, ISSN: 0098-2202.
57. Corsini A., Rispoli F., Santoriello A. (2005). A Variational Multi-Scale high order finite element formulation for turbomachinery flow computations. COMPUTER METHODS IN APPLIED MECHANICS AND ENGINEERING, vol. 194/45-47; p. 4797-4823, ISSN: 0045-7825.
58. Corsini A., Rispoli F., Santoriello A. (2005). Quadratic Petrov-Galerkin Finite Elements for advective-reactive instabilities pertinent to turbomachinery turbulence modeling. INTERNATIONAL JOURNAL OF NUMERICAL METHODS FOR HEAT & FLUID FLOW, vol. 15-8; p. 894-925, ISSN: 0961-5539, doi: 10.1108/09615530510625147.
59. Corsini A, Rispoli F. (2005). Flow analyses in a high-pressure axial ventilation fan with a non-linear eddy-viscosity closure. INTERNATIONAL JOURNAL OF HEAT AND FLUID FLOW, vol. 26; p. 349-361, ISSN: 0142-727X.

59. Corsini A., Rispoli F., Santoriello A. (2004). A quadratic petrov-galerkin formulation for advection-diffusion-reaction problems in turbulence modeling. *JOURNAL OF COMPUTATIONAL AND APPLIED MECHANICS*, vol. 5-2; p. 237-249, ISSN: 1586-2070.
60. Corsini A, Rispoli F. (2004). Using sweep to extend stall-free operational range in sub-sonic axial fan rotors. *PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS. PART A, JOURNAL OF POWER AND ENERGY*, vol. 218; p. 129-139, ISSN: 0957-6509.
61. Borello D; Corsini A; F. Rispoli (2003). A finite element overlapping scheme for turbomachinery flows on parallel platforms *COMPUTERS & FLUIDS* (ISSN:0045-7930), 1017- 1047, 32/7.

Book papers

62. Corsini A., Rispoli F., Santoriello A. (2004). A New Stabilized Finite Element Method for Advection-Diffusion-Reaction Equations using Quadratic Elements. In: VAD J., LAJOS T. AND SCHILLING R.. *Modelling Fluid Flow. The state of the art. vol. 1*, p. 247-266, BERLIN: Springer-Verlag, ISBN/ISSN: 3-540-22031-3.
63. Rispoli F., Borrelli P, Tezduyar T (2004). DCDD in Finite Element Computation of Turbulent Flows. In: *WCCM VI IN CONJUNCTION WITH APCOM*. Computational Mechanics. vol. 001, p. 1-10, Tsinghua University Press & Springer-Verlag.
64. D. Borello, M.V. Migliarese Caputi, F. Rispoli (2003). A parallel multilevel finite element solver for axial compressor CFD. In: K. Matsuno et al. (Eds.). *Parallel Computational Fluid-Dynamics*. Elsevier Science B.V., 241- 248.
65. Corsini A.; F. Rispoli (1999). Numerical simulation of three-dimensional viscous flow in an isolated axial rotor *ARCHIWUM BUDOWY MASZYN* (ISSN:0004-0738), 369- 392, XLVI-4.
66. Lentini D.; Riccucci G.; Ionta P.; F. Rispoli (1995). Prediction of Gas Turbine Combustor Flow by a Finite Element Code *AEROTECNICA, MISSILI E SPAZIO* (ISSN:0365-7442), 55- 64, GENNAIO-GIUGNO.
67. F. Rispoli (1991). I Modelli di Simulazione della Macchina di Stirling. In: *NASO Vinzenzo. La Macchina di Stirling*. MASSON.

Proceedings

68. Tieghi, L.; Bamabei, V. F. ;Corsini, A.; Rispoli, F. , Wake interaction in offshore wind farms with mesoscale derived inflow condition and sea waves *IOP Conf. Ser.: Earth Environ. Sci.* 1073 012009 (2022).
69. Castorini A., Corsini A., Rispoli F., Venturini P., Numerical simulation of the blade aging process in an induced draft fan due to long time exposition to fly ash particles, *Proceedings of the ASME Turbo Expo*, 2018.
70. Ortenzi F., Genovese A., Carrazza M., Rispoli F., Venturini P., Exhaust Energy Recovery with Variable Geometry Turbine to Reduce Fuel Consumption for Microcars, *SAE Technical Papers*, 2018.
71. Castorini A., Corsini A., Sheard A.G., Rispoli F., Numerical testing of a trailing edge passive morphing control for large axial fan blades, *Proceedings of the ASME Turbo Expo*, 2017.
72. Castorini A., Corsini A., Morabito F., Rispoli F., Venturini P., Numerical simulation with adaptive boundary method for predicting time evolution of erosion processes, *Proceedings of the ASME Turbo Expo*, 2017.
73. Castorini A., Corsini A., Sheard A.G., Rispoli F., Numerical testing of a trailing edge passive morphing control for large axial fan blades, 2017, *Proceedings of the ASME Turbo Expo*.
74. Agati G., Borello D., Rispoli F., Salvagni A., Venturini P., Numerical simulation of a particle-laden impinging jet: Effect of wall curvature on particle deposition, 2017, *Proceedings of the ASME Turbo Expo*.
75. Castorini A., Corsini A., Morabito F., Rispoli F., Venturini P., Numerical simulation with adaptive boundary method for predicting time evolution of erosion processes, 2017, *Proceedings of the ASME Turbo Expo*.
76. Castorini A., Corsini A., Sheard A.G., Rispoli F., Lamperini M., Fluid-structure interaction study of large and light axial fan blade", 2017, *Proceedings of the ASME Turbo Expo*.
- A. Salvagni, D. Borello, F. Rispoli and K. Hanjalic, LES of heat transfer in an asymmetric rib-roughened duct: influence of rotation 1 6 2016 11th ercoftac symposium on engineering turbulence modelling and measurements.
77. Castorini, A.; Corsini, A.; Sheard, A. G.; Rispoli, F., Numerical study on the passive control of the aeroelastic response in large axial fans 2016 asme turbo expo 2016: turbine technical conference and exposition.
78. Agati, Giuliano; Borello, Domenico; Rispoli, Franco; Venturini, Paolo, An innovative approach to model temperature influence on particle deposition in gas turbines american society of mechanical engineers (asme) 2016 asme turbo expo 2016: turbomachinery technical conference and exposition, gt 2016.
79. Borello, Domenico; Rispoli, Franco; Properzi, Ermanno; Salvagni, Alessandro, LES-based assessment of rotation-sensitized turbulence models for prediction of heat transfer in internal cooling channels of turbine blades, american society of mechanical engineers (asme) 2016 asme turbo expo 2016: turbomachinery technical conference and exposition, gt 2016.
80. Savuto E., Borello D., Di Carlo A., Natali S., Pantaleo A., Rispoli F., Experimental study of mayenite-based catalysts effectiveness in reducing pollution from biomass gasification in fluidized bed reactors, *GT57666, TurboExpo 2016*, Seoul, South Korea, 13-17 June, 2016.
81. Agati G., Borello D., Rispoli F., Venturini P., An innovative approach to model temperature influence on particle deposition in gas turbines, *GT57997, TurboExpo 2016*, Seoul, South Korea, 13-17 June, 2016.
82. Borello D., Rispoli F., Properzi E., Salvagni A., LES-based assessment of rotation-sensitized turbulence models for prediction of heat transfer in internal cooling channels of turbine blades, *GT57293, TurboExpo 2016*, Seoul, South Korea, 13-17 June, 2016.

83. Salvagni A., Borello D., Rispoli F., Hanjalic K., LES of heat transfer in an asymmetric rib-roughened duct: influence of rotation, submitted to ETMM11, Palermo, 21-23 September 2016.
84. Alikhani A., Agati G., Borello D., Rispoli F., Assessment of loads and performance of a Wave Energy Converter in the Mediterranean Sea, submitted to OSES 2016, Malta, 13-15 July 2016
85. Gaudiosi G., Borello D., Sangiorgio S., Rispoli F., Floating Offshore Wind, and other Marine Renewable Energies in Mediterranean Sea, submitted to OSES 2016, Malta, 13-15 July 2016.
86. Borello D., Anielli D., Rispoli F., Salvagni A., Venturini P., Unsteady CFD analysis of erosion mechanism in the coolant channels of a rotating gas turbine blade, ASME TurboExpo 2015, 15-19 June 2015, Montreal, Canada.
87. Salvagni A., Borello D., Properzi E., Rispoli F., URANS Study of Flow and Heat Transfer in a Rotating Rib-Roughened Internal Cooling Channel, ASME ATI UIT 2015, May 17-20, 2015, Naples, Italy.
88. Anielli D., Borello D., Rispoli F., Salvagni A., Venturini P., Prediction of particle erosion in the internal cooling channels of a turbine blade, ETC 2015, 23-26 March 2015, Madrid, Spain.
89. Cardillo L., Corsini A., Delibra G., Rispoli F., Sheard A.G., Venturini P., Simulation of particle-laden flows in a large centrifugal fan for erosion prediction, ASME Turbo Expo 2014, Dusseldorf, Germany, paper no. GT2014-25865.
90. Corsini, A., Giovannoni V., Nardecchia, S., Rispoli, F., Sciulli, F., & Venturini, P., 2012, 'Performance of a Common-rail Diesel Engine Fuelled with Rapeseed and Waste Cooking Oils'. Proceedings of ECOS 2012, June, Perugia, Italy.
91. M. Bassetti, A. Corsini, G. Delibra, G. Faggiolati, S. Piccinini, F. Rispoli, G. Romani, M. Ruggeri and E. Tuccimei, 2012, An integrated procedure for the design of a Wells turbine developed for Mediterranean operation', OWEMES 2012 European Seminar, September, Rome, Italy.
92. Cardillo L., Corsini A., Delibra G., Rispoli F., Sheard A.G., Venturini P., Simulation of particle-laden flows in a large centrifugal fan for erosion prediction, ASME Turbo Expo 2014, Dusseldorf, Germany, paper no. GT2014-25865.
- A. Corsini, G. Delibra, F. Rispoli, P. Venturini, A.G. Sheard, Aerodynamic simulation of a high-pressure centrifugal fan for process industries, ASME Turbo Expo 2013, paper no. GT2013-94982, San Antonio, Texas, June 3-7, 2013.
93. C.M. Mazzone, P. Venturini, D. Lentini, F. Rispoli: Soot prediction in a turbulent methane/air flame accounting for both gas and particulate radiation. Proceedings of the 7th International Symposium on Turbulence, Heat and Mass Transfer, 24-27 September, 2012, Palermo, Italy.
- A. Corsini, V. Giovannoni, S. Nardecchia, F. Rispoli, F. Sciulli, P. Venturini: Performance of a common-rail Diesel engine fuelled with rapeseed and waste cooking oils. ECOS2012, 26-29 June, 2012, Perugia, Italy.
94. Corsini, F. Rispoli, P. Venturini, G. Sheard: Numerical simulation of coal-fly ash erosion in an induced draft fan. ASME Turbo Expo 2012: Power for Land, Sea and Air (paper GT2012-69048), June 11–15, 2012, Copenhagen, Denmark.
95. Corsini, A., Marchegiani, A., Rispoli, F., Venturini, P. & Sheard, A.G. 2011, 'Predicting Blade Leading Edge Erosion in an Axial Induced Draft Fan'; submitted to the 55th American Society of Mechanical Engineers Turbine and Aeroengine Congress, Vancouver, Canada, 6–10 June, Paper No. GT2011-45719.
96. G. Scarascia Mugnozza, S. Binotti, M. Napoleoni, F. Rispoli, F. Sciulli, P. Venturini, S. Babbini: Straight vegetable oil as fuel in an internal combustion engines for power and heat production. 4th Energy Conference – Palestine, 26-27 January, 2011, Ramallah, Palestine.
97. C.V. Iossa, D. Lentini, F. Rispoli, P. Venturini: Combustion modelling in a biomass-fed boiler. Int. Symp. on Convective Heat and Mass Transfer in Sustainable Energy (CONV-09). April 26th- May 01st, 2009, Hammamet, Tunisia.
98. Borello, D., Calabriso, A., Cedola, L., Del Zotto, L., Rispoli, F., 2013, 'Simulation of fluid dynamic and electric field in a direct methanol fuel cell', ICAE2013, July 1-4 2013, Pretoria, South Africa.
99. Borello D., Di Carlo A., Marchegiani A., Tortora E., Rispoli F., 2013, 'Experimental and Numerical Analysis of Steam-Oxygen Fluidized Gasifier Feeding a Combined SOFC/ORC Power Plant', ASME Turbo Expo 2013, 3-7 Giugno 2013. S. Antonio, Texas, USA, Best Paper Award, Committee: Coal, Biomass and Alternative Fuels.
100. Birello F., Borello D., Rispoli F., Venturini P., 2013, 'Modelling of Deposit Mechanisms around the Stator of a Gas Turbine', ASME Turbo Expo 2013, 3-7 Giugno 2013. S. Antonio, Texas, USA.
101. Borello, D., Salvagni, A., Rispoli, F., Hanjalic, K., 'LES of the flow in a rib-roughened duct', Direct and Large Eddy Simulation 9, 3-5 April, 2013, Dresden, Germany.
102. Borello, D., Corsini, A., Delibra, G., Rispoli, F. and Sheard, A. G., 'Numerical Investigation on the Aerodynamics of a Tunnel Ventilation Fan during Pressure Pulses', 10th European Conference on Turbomachinery, 15-19 April 2013, Lappeenranta, Finland.
103. Borello D., Calabriso A., Marchegiani A., Rispoli F., "Assessment of innovative reforming procedures for biogas obtained from organic fraction of municipal solid waste", Fourth International Symposium on Energy From Biomass And Waste San Servolo, Venice (Italy) 12-15 November 2012.
104. Borello, D., Del Prete, Z., Marchegiani, A., Rispoli, F., Tortora, E., 'Analysis of an integrated PEMFC/ORC power system using ammonia for hydrogen storage', ASME Turbo Expo 2012, June 11-15, 2012, Copenhagen, Denmark.
105. Borello, D., Delibra, G., and Rispoli, F., "Multiscale Partially Averaged Navier Stokes approach for the prediction of flow in linear compressor cascade with moving casing", 55th American Society of Mechanical Engineers Turbine and Aeroengine Congress (TurboExpo 2011), Vancouver, Canada, 6–10 June 2011.
106. Arrighetti, C., Borello, D., Corsini, A., Rispoli, F. and Venturini, P., "An integrated particle-tracking impact/adhesion model for the prediction of fouling in turbomachinery flows", 9th European Turbomachinery Conference, Istanbul, March, 21-25, 2011.
107. Borello, D., Corsini, A., Minotti, S., Rispoli, F., and Sheard A.G., "U-RANS of a large industrial fan under design and off-design operations", 9th European Turbomachinery Conference, Istanbul, March, 21-25, 2011.

108. Delibra G., Borello D., Hanjalić K. and Rispoli F., 2010, "A LES insight into convective mechanism of heat transfer in a wall-bounded pin matrix", 14th Intern. Heat Transfer Conference, 2010, Washington DC, USA.
109. Bianchi S, Corsini A, Rispoli F., Sheard A. G (2008). Experimental investigation on the near-field aero-acoustic sources of low-speed axial fan. In: XIX Biannual Symposium on Measuring Techniques in Turbomachinery. Rhode-St-Genève, Belgium., April, 7-8 Rhode-St-Genève: Von Karman Institute (Belgium).
110. Venturini P; Borello D; F. Rispoli; R. Saavedra (2011) Prediction of multi-phase combustion and ash deposition within a biomass furnace. ICAE2011 - International Conference on Applied Energy U. Desideri e J. Yan Perugia May 16-18 Perugia.
111. Arrighetti, D. Borello, A. Corsini, F. Rispoli, P. Venturini (2011) An integrated particle-tracking impact/adhesion model for the prediction of fouling in turbomachinery flows. Proceedings of the 9th European Conference on Turbomachinery Fluid Dynamics and Thermodynamics ETC9 Local Organizing Committee Istanbul 1139 1148 2 March, 21-25, 2011 Istanbul.
112. Borello, G. Delibra, F. Rispoli (2011) Multiscale Partially Averaged Navier Stokes approach for the prediction of flow in linear compressor cascade with moving casing. ASME June 2011 Vancouver.
113. Borello, A. Corsini, S. Minotti, F. Rispoli, A.G. Sheard (2011) U-RANS of a large industrial fan under design and off-design operations. Proceedings of the 9th European Conference on Turbomachinery Fluid Dynamics and Thermodynamics ETC9 Local Organizing Committee Istanbul 1665 1676 2 March 21-25, 2011 Istanbul.
114. P. VENTURINI; D. BORELLO; K. HANJALIC; F. RISPOLI (2010) Modelling of particles deposition in an environment relevant to biomass-fired boilers. Thermal and Environmental Issues in Energy Systems Edizioni ETS PISA 1251 1256 II 16-19 maggio, 2010 Sorrento, Italy.
115. Borello ; G. Delibra; K. Hanjalic; F. Rispoli (2010) Hybrid LES/RANS study of turbulent flow in a low speed linear compressor cascade with moving casing. Proceeding of ASME Turbo Expo 2010 ASME 14th-18th June 2010 Glasgow (UK).
116. Corsini A; Marchegiani A; Marro E; S. Minotti; Rispoli F (2010) Performance Prediction Of Small Scale On Shore Wave Energy Conversion Systems. Atti del IV° Congresso Nazionale AIGE 26-27 Maggio 2010 Roma.
117. D. Borello, A. Corsini, F. Rispoli, E. Tortora (2010) Load matching for a combined solar-biomass Rankine cycle plant. Proceedings of the ASME-ATI-UIT Conference Thermal and Environmental Issues in Energy Systems Edizioni ETS Pisa 561 565 1 16 – 19 May, 2010 Sorrento, Italy.
118. Borello D; Delibra G; K. Hanjalic; F. Rispoli (2010) LES Study of the Effect of Inflow Conditions on Heat Transport in Flow over a Wall-bounded Short Cylinder. 8th Int. ERCOFTAC Symp. on Engineering Turbulence Modelling and Measurements, ETMM8 M. Leschziner et al. (Eds.) Marseille 282 287 1 9 - 11 June 2010 Marseille, France.
- A. Corsini; Marro E; Rispoli F; Tortora E (2009) Wave energy conversion potential from small scale systems in the Pontinian archipelago. OFFSHORE WIND AND OTHER MARINE RENEWABLE ENERGIES IN MEDITERRANEAN AND EUROPEAN SEAS OWEMES 2009 OWEMES ROMA 21-23 May 2009 Brindisi, Italia.
119. P. Nucara; D. Borello; G. Delibra; F. Rispoli; K. Hanjalic (2009) Development of nonlinear elliptic relaxation Zeta-f model for the prediction of flow in a 3-D diffuser. Proc. 14th SIG15 ERCOFTAC Workshop on Refined Turbulence Modelling 18 Sept. 2009 Roma.
120. P. Venturini, D. Borello, F. Rispoli, K. Hanjalic (2009) LES-based prediction of deposit formation on a wall-bounded short cylinder. Proceedings of Int. Symp. on Convective Heat and Mass Transfer in Sustainable Energy Begell House Redding – 26 April – 1 May, 2009 Hammamet, Tunisia.
121. D. Borello, A. Corsini, F. Rispoli, E. Tortora (2009) A combined solar-biomass Rankine cycle concept for micro-cogeneration. August 31st - September 3rd, 2009 Foz de Iguazu, Parana, Brazil.
122. Iossa V. C.; Lentini D.; Rispoli F.; Venturini P. (2009) Combustion modelling in a biomass-fed furnace. begell house REDDING 509 512 2 26 aprile - 01 maggio, 2009 Hammamet – Tunisia.
123. Delibra; D. Borello; K. Hanjalic; F. Rispoli (2009) Vorticity, velocity and thermal fields in flow over a wall bounded pin matrix: a hybrid LES/RANS study. Turbulence, Heat and Mass Transfer 6 Begell House Redding 463 466 September 14-18, 2009 Roma.
124. D. Borello; G. Delibra; K. Hanjalic; F. Rispoli (2009) URANS and Hybrid LES/RANS Computations of Tip Leakage and Secondary Flows in Axial Compressor Cascade. Proc. 8th European Conference on Turbomachinery ETC8 Local Organizing Committee Graz 85 94 23-27 March 2009 Graz (Austria).
125. P. Venturini; D. Borello; K. Hanjalic; F. Rispoli (2009) A study of wall-deposit formation using LES-generated velocity field. Proceedings of the 6th International Symposium on Turbulence, Heat and Mass Transfer, THMT'09 Begell House Inc. REDDING 765 768 14-18 settembre 2009 Sapienza Università di Roma, Roma.
- A. Corsini; Minotti S; Rispoli F; Piccinini S. Romani (2009) Development of an innovative non-clogging seal chamber for submersible propeller pumps. XIX Congresso AIMETA. Aras edizioni 2009 FANO 1 10 14-17 settembre ANCONA.
126. Bianchi S, Corsini A, Rispoli F., Sheard A. G (2008). Experimental aero-acoustic studies on improved tip geometries for passive noise signature control in low-speed axial fan. In: ASME Turbo Expo 2008. Berlin, Germany, June 9-13.
127. Bianchi S, Corsini A, Rispoli F., Sheard A. G (2008). Near-field aero-acoustic experimental investigation in low-speed axial fans. In: ASME paper NCAD2008-73039. Detroit, MI-USA, July 2008.
128. Bianchi S, Corsini A, Rispoli F., Sheard A. G (2008). Near-field aero-acoustic experimental investigation in low-speed axial fans", ASME paper NCAD2008-73039, NoiseCon NCAD Conference, Detroit, MI-USA, July 2008. In: NCAD2008. Detroit, July 2008 ASME, vol. DVD.
129. Borello D, Delibra G, Hanjalic K, Rispoli F. (2008). U-RANS of Flow in Pinned Passages Relevant to Gas-Turbine Blade Cooling. In: 7th International Symposium on Engineering Turbulence Modelling and Measurements. Lymassol, Cyprus, 4-6 June, 2008, p. 683-689.

130. Corsini A, Rispoli F., Santoriello A, Tezduyar T. E (2008). A multi-scale Finite Element Methods with discontinuity capturing for reaction dominated flow regimes in unsteady turbomachinery computations. In: WCCM/ECCOMAS Congress 2008. Venice, Italy, 30 June, 4 July.
131. Corsini A, Rispoli F., Santoriello A, Tezduyar T. E (2008). A DRD finite element formulation for computing turbulence reacting flows in gas turbine combustor. In: 2008 ASME international Mechanical Engineering Congress. Boston, Massachusetts, USA., October 31, November 6.
132. Corsini A, Rispoli F., Sheard A. G. (2008). Shaping of tip end-plate to control leakage vortex swirl in axial flow fans. In: ASME Turbo Expo 2008. Berlin, Germany., June 9-13.
133. Delibra G, Borello D, Hanjali, Rispoli F. (2008). URANS and Hybrid LES/RANS of flow in pinned passages relevant to gas turbine blade cooling. In: Engineering Turbulence Modelling and Measurements. Limassol, Cyprus, June 4-6, 2008, vol. 3, p. 683-688.
134. Borello D, Delibra G, Hanjalic K, Rispoli F. (2008). LES and hybrid LES/RANS study of flow and heat transfer in plate fin and tube heat exchanger. Proceedings of the iTI Conference in Turbulence, Bertinoro, Italy 2008.
135. Delibra G, Borello D, Hanjalic, Rispoli F. (2008). LES of flow and heat transfer in a channel with a staggered cylindrical pin matrix. In: ERCOFTAC WORKSHOP Direct and LargeEddy Simulation 7. Trieste, September 8-10 2008.
136. Bianchi S, Sheard A. G, Kinghorn I, Corsini A, Rispoli F. (2007). Experimental development of a measurement technique to resolve the radial distribution of fan aero-acoustic emissions. In: Fan noise 2007. Lyon, France, 17-19 September.
137. Corsini A, Perugini B, Rispoli F., Sheard A. G, Kinghorn I (2007). Aerodynamic workings blade tip end-plate designed for low-noise operation in axial flow fans. In: 52th International Gas Turbine and Aeroengine Congress. Montreal Ca., 14-17 May.
138. Corsini A, Perugini B, Rispoli F., Sheard A.G, Kinghorn I (2007). Experimental and numerical investigations on passive device for tip-clearance induced noise reduction in axial flow fans. In: 7th European Conf. Turbomachinery, Fluid Dynamics, and Thermodynamics. Athens, Gr, March 2007.
139. Borello D, Delibra G, Hanjalic, Rispoli F.. Scrutinizing a seamless hybrid LES/RANS approach for turbomachinery applications. 3rd Symp. on Hybrid RANS-LES Methods, Gdansk, Poland, 10-12 June 2007.
140. Borello D., Rispoli F., Hanjalic K. (2006). Prediction of tip-leakage flows in axial flow compressor with Second Moment Closures. In: ASME Turbo Expo. Barcellona, 8-11 May 2006, ISBN/ISSN: 0791837742.
141. Borello D, Rispoli F. (2006). Elliptic Blending SMC for transitional flows. In: 5th International Symposium on Turbulence, Heat and Mass Transfer ICHMT06. Dubrovnik, Croazia, 25-29 settembre 2006.
142. Corsini A, Perugini B, Rispoli F., Sheard G, Kinghorn I (2006). Investigation on improved blade tip concept for axial flow fan. In: 51th International Gas Turbine and Aeroengine Congress and exhibition. Barcellona, May 2006, vol. ASME-GT2006-90592.
143. Corsini A, Rispoli F. (2006). A transient model for OWC device. Application to Mediterranean Sea states. In: OFFSHORE WIND AND OTHER MARINE RENEWABLE ENERGIES IN MEDITERRANEAN AND EUROPEAN SEAS. Civitavecchia, 20-22 April 2006.
144. Corsini A, Rispoli F., Saavedra R. Z, Tezduyar T. E (2006). Compressible flow computations with the V-SGS stabilization and YZbeta shock-capturing. In: IMECE 2006. Chicago. IL-USA, November 2006.
145. Corsini A, Rispoli F., Sheard A. G (2006). The role of improved tip concept in industrial fan aerodynamics. In: Conference on Modelling Fluid flow. Budapest - Hu, Settembre 2006.
146. Corsini A, Rispoli F., Tezduyar T. E (2006). Discontinuity-capturing for advection-diffusion-reaction equations in turbulence modelling. In: 7th Word Congress on Computational Mechanics. Los Angeles, Ca -USA, July 2006.
147. Borello D., Rispoli F., Hanjalic K. (2005). Numerical simulation of turbulent flows in 3D decelerating cascades using Second Moment closure modeling. In: 6th European Conf. Turbomachinery, Fluid Dynamics and Thermodynamics. lille, 7-11 March 2005, vol. 1, p. 20-33.
148. Corsini A., Rispoli F., Santoriello A., Tezduyar T. E. (2005). Stabilization devices for the computation of turbulence. In: IMECE2005-80186, ASME IMECE. Orlando, November 2005.
149. Corsini A., Rispoli F., Tezduyar T. E. (2005). Numerical investigation of a low-speed axial compressor with the Discontinuity-Capturing Directional Dissipation. In: Minisymposium on Flow Computation Methods in Engineering Application. ECCOMAS. Swansea, April 2005.
150. Rispoli F., Corsini A., Santoriello A. (2005). A multi-scale stabilization device for turbulence modeling in turbomachinery flows. In: XIX Zjazd Termodynamilów. Gdansk, September 2005.
151. Rispoli F., Santoriello A., Tezduyar, T. E. (2005). DRD finite element formulation for reaction effects in turbulence computations. In: 8th USNCCM. Austin TX, July 2005.
152. Borello D, Rispoli F., Hanjalic K (2004). Prediction Of Turbulence and Transition In Turbomachinery Flows Using An Innovative Second Moment Closure Modeling, ASME paper GT2004-53706. In: 49th International Gas Turbine and Aeroengine Congress and Exhibition. Vienna, Austria, 14 giugno 2004, p. 1-10.
153. Corsini A, Rispoli F., Santoriello A (2004). A variational sub-grid scale model for high-order finite elements in turbomachinery CFD. In: ECCOMAS 2004. Jyväskylä, Finland, July 24-28 2004, p. 1-10.
154. Corsini A, Rispoli F., Sheard G, Kinghorn I (2004). The aerodynamic interaction of tip leakage and mainstream flows in a fully-ducted axial fan, ASME paper GT2004-53408. In: 49th International Gas Turbine and Aeroengine Congress and Exhibition. Vienna, Austria, June 14- 17 2004, p. 1-10.
155. Corsini A, Rispoli F., Tezduyar T (2004). Assessment of the DCDD as a no-model LES in flow configurations pertinent to turbomachinery. In: ASME International Mechanical Engineering Congress 2004. Anaheim, California - USA, November 13-19, p. 1-10.
156. Rispoli F., Borrelli P, Tezduyar T (2004). Discontinuity-Capturing Directional Dissipation in computation of turbulent flow. In: ECCOMAS 2004. Jyväskylä, Finland, 24-28 luglio 2004, p. 1-10.

157. Lucentini M.; Rispoli F.; V. Naso; Cipri K. (2003) Simulation Code for Pulse Tube Refrigerator Modelling. Modern Developments In Thermodynamics, May 11-16, 2003, Il Ciocco, Barga, Italy.
158. Corsini A; F. Rispoli (2003) The role of forward sweep in axial fan rotor aerodynamics in design and off-design operations. ASME Turboexpo 1 10 2003 Atlanta (USA).
159. Borello D; F. Rispoli (2003) Improved non-equilibrium turbulence closure modeling for axial flow compressors simulation. ASME Turbo Expo 2003 1 10 16-19 June 2003 Atlanta, Georgia, USA.
160. D. Borello; G. Giuli ; F. Rispoli (2002) A CFD methodology for fire spread and radiative effects simulation in longitudinal ventilation tunnels: application to the Memorial Tunnel. Proceedings of 2nd International Conference on Long Road and Railway Tunnels 9-11 May 2002 Hong Kong (China).
161. D. Borello; P. Borrelli; F. Rispoli; E. Quagliata (2001) An hybrid multi-level parallel Finite Element algorithm for CFD problems of Turbomachinery concern. ECCOMAS CFD 2001 ECCOMAS Swansea 4-7 September 2001 Swansea, Wales.
162. Borello D.; A. Corsini; Rispoli F. (2000) A finite element parallel domain decomposition method for incompressible turbomachinery flows. European Congress on Computational Methods in Applied Sciences and Engineering September, 11- 14, Barcelona.
163. D. Borello; A. Corsini; F. Rispoli (1999) A parallel approach to FEM modelling of internal fluid flows. Proceedings of Fifth European SGI/Cray MPP Workshop - CINECA September 1999 CINECA – Bologna.
164. M. Bartolini, F. Rispoli (1998) The simulation of Franchot-Bartolini Stirling engine for design purpose. ASME-IECEC88 151 156 1 August 1988. Denver.
165. Arrighetti; Borello D.; Rispoli F. (1998) A Novel Three-Dimensional Monte Carlo Approach for Potential Flow Analysis in Axial Free-Vortex Turbomachines. Proceedings of ASME Fluid Machinery Forum - FEDSM98 ASME June 1998 Washington, DC, USA.
166. Caputo C.; F. Rispoli (1997) New Drive Mechanisms for the Stirling Engine. 8th International Stirling Engine Conference and Exhibition Maggio 1997 Ancona.
167. Borello; A. Corsini; F. Rispoli (1997) A 3D stabilized finite element technique with compact stiffness matrix treatment. Application to internal flows. Proceedings of 1997 ASME Fluids Engineering Division Summer Meeting and Fluids Engineering Conference ASME 1997 Vancouver.
168. Borello ; A. Corsini; F. Rispoli (1997) Prediction of Francis turbine runner performance using a 3D finite element technique with unassembled stiffness matrix treatment. Proceedings 2nd European Conference on Turbomachinery - Fluid Dynamics and Thermodynamics R. Decuyper e G. Dibelius Antwerpen 389 397 1 1997 Antwerpen, Belgium.
169. Caputo C.; F. Rispoli (1997) Adattamento della Legge del Moto dello Stantuffo alle Esigenze dei Motori Alternativi. 52esimo Congresso Nazionale ATI, SGE Settembre 1997 Ancona.
170. Caputo C.; F. Rispoli; Sciaboni A. (1997) New Drive Mechanisms to Improve Scavenging in Two-Stroke I.C.E.. 6th European Congress Lightweight and Small Cars the Answer to Future Needs Luglio 1997 Cernobbio, Como.
171. Corsini A; Lentini D.; Rispoli F. (1996) Problemi associati con la modellizzazione della combustione turbolenta in turbine a gas. ATI-TURBOMACCHINE '96, Genova Genova Settembre.
172. D. Borello; A. Corsini; F. Rispoli (1996) Una metodologia agli elementi finiti per la previsione del flusso tridimensionale turbolento in turbine idrauliche. Atti del Convegno ATI-TURBOMACCHINE '96, Genova SGE editoriali Padova 489 500 11-12 Luglio Genova 1996.
173. Calandrelli L.; F. Rispoli (1995) Wave Propagation Method for Stirling Engine Cycle Simulation. Experimental Validation. ASME IECEC-book n. I0384C Agosto 1995 Orlando, USA.
174. Procacci R.; F. Rispoli (1995) Off-Design Performance Evaluation of Deteriorated Axial-Flow Compressor. ASME paper 95-CTP-35 Agosto
175. Calandrelli L.; F. Rispoli (1995) Experimental Validation of a Code for Stirling Engine Cycle Simulation Based on non-Conservative Motion Equations. JSME paper ICSC'95-094 Novembre, 1995.
176. Corsini A; F. Rispoli; Fusari S (1994). Utilizzo di aria compressa nella ventilazione di gallerie autostradali AUTOSTRADE (ISSN:0005-1756), 3.94.
177. Rispoli F., Siciliani F. (1994) Una Metodologia agli Elementi Finiti per il Calcolo di Flussi Secondari Incompressibili in Condotti di Turbomacchine. Atti del 49esimo Congresso Nazionale ATI Settembre 1994 Perugia.
178. Cerri G., Salvini C., Procacci R., Rispoli F. (1993) Fouling and air bleed extracted flow influence on compressor performance. Proceedings ASME Paper 93-GT-366, May 1993 Cincinnati.
179. Ionta P., Lentini D., Rispoli F. (1993) Prediction of pollutant emission in a gas turbine combustor. Atti del 48esimo Congresso Nazionale ATI SGE Settembre 1993 Taormina,
180. Ionta P., Lentini D., Rispoli F. (1993) A finite element code for gas turbine combustor flow with Stretched Laminar Flamelet modelling. Proceedings of AIAA-ISABE' 93-7127 1293 1304 Tokyo.
181. Bartolini C.M., Caresana F., Pelagalli L., Rispoli F. (1992) Detailed flow field investigation in peripheral machines. Proceedings of the 2nd Energy, Environment and Technological Innovation International Congress Vol 1 October 1992 Rome.
182. Devalba M., Rispoli F. (1991) Conjugate heat transfer in oscillating fluid flow in Stirling engines. Proceedings of the 26th International Energy Conversion Engineering Conference 170 175 Vol 5 Boston, Agosto 1991.
183. Devalba M., Rispoli F. (1991) The oscillating fluid flow effects on the Stirling engine heat exchange design. Proceedings of the 5th International Stirling Engine Conference, Paper n. 91044 May 1991 Dubrovnik.
184. Arsuffi G., Ionta P., Mastroddi F., Morino L., Rispoli F. (1990) Aerodynamic and Aeroelastic Analysis of Wind Turbines. Proceedings of the European Community Wind Energy Conference, Paper n. D2, Madrid, Settembre 1990 September 1990 Madrid.
185. Paoletti S., Rispoli F., Sciubba E. (1989) Calculation of Exergetic Losses in Compact Heat Exchanger Passages. Proceeding ASME 89 Vol. 10-2 December 1989 San Francisco.

186. C. M. Bartolini, F. Rispoli (1989) A numerical method to evaluate heat exchanger performance of external combustion Engine. Proceedings of IEEE Paper IECEC-899430 2591 2596 5 August 1989 Washington.
187. C. M. Bartolini, F. Rispoli (1988) Franchot-Bartolini Stirling Engine with Ross linkage. ASME-IECEC88 Agosto 1988 Denver.
188. Rispoli, G. Riccucci (1988) Simulation of Stirling Engines with Explicit Modelling of Propagating Effects. Proceedings of ASME FED-88 Vol. 65 November 1988 Chicago.
189. Rispoli (1986) The simulation of Stirling engines by means of a lambda method. Proceedings of the 3rd International Stirling Engine Conference Paper n. 86-III-59 June 1986 Roma.
190. Rispoli (1985) The Lambda-Scheme Method Applied to Stirling Engines. SAE IECEC 85 August 1985. Miami Beach.
191. F. Rispoli (1984) Valve Timing and Stability of Single-Acting non Regenerative CAREN Engines. Proceedings of the 2nd International Conference on Stirling Engines June 1984 Shanghai.
192. F. Rispoli (1983) Un modello fisico-matematico di funzionamento del motore CAREN. Atti del 38esimo Congresso Nazionale ATI Settembre 1983. Bari.

Rome 23/02/2023