

20.1 - Articoli su rivista internazionale con peer-review

1. Mancin, S.; Zilio, C.; Righetti, G.; Rossetto, L.; 2013. Mini Vapor Cycle System for high density electronic cooling applications. *International Journal Of Refrigeration*. Vol. 36, pp. 1191 - 1202. DOI:10.1016/j.ijrefrig.2012.12.008.
2. Longo, G. A.; Zilio, C.; Righetti, G.; Brown, J. S.; 2014. Experimental assessment of the low GWP refrigerant HFO-1234ze(Z) for high temperature heat pumps. *Experimental Thermal And Fluid Science*. Vol. 57, pp. 293 - 300. DOI:10.1016/j.expthermflusci.2014.05.004.
3. Longo, G. A.; Righetti, G.; Zilio, C.; Bertolo F.; 2014. Experimental and theoretical analysis of a heat pipe heat exchanger operating with a low global warming potential refrigerant. *Applied Thermal Engineering*. Vol. 65, pp. 361 - 368. DOI:10.1016/j.applthermaleng.2014.01.023.
4. Longo, G. A.; Zilio, C.; Righetti, G.; Brown, J.S.; 2014. Condensation of the low GWP refrigerant HFO1234ze(E) inside a Brazed Plate Heat Exchanger. *International Journal Of Refrigeration*. Vol. 38, pp. 250 - 259. DOI:10.1016/j.ijrefrig.2013.08.013.
5. Longo, G. A.; Righetti, G.; Zilio, C.; 2015. A new computational procedure for refrigerant condensation inside herringbone-type Brazed Plate Heat Exchangers. *International Journal Of Heat And Mass Transfer*. Vol. 82, pp. 530 - 536. DOI:10.1016/j.ijheatmasstransfer.2014.11.032.
6. Longo, G. A.; Mancin, S.; Righetti, G.; Zilio, C.; 2015. A new model for refrigerant boiling inside Brazed Plate Heat Exchangers (BPHEs). *International Journal Of Heat And Mass Transfer*. Vol. 91, pp. 144 - 149. DOI:10.1016/j.ijheatmasstransfer.2015.07.078.
7. Longo, G. A.; Mancin, S.; Righetti, G.; Zilio, C.; 2015. HFC32, a low GWP substitute for HFC410A in medium size chillers and heat pumps. *International Journal Of Refrigeration*. Vol. 53, pp. 62 - 68. DOI:10.1016/j.ijrefrig.2015.01.014.
8. Righetti, G.; Zilio, C.; Longo, G. A.; 2015. Comparative performance analysis of the low GWP refrigerants HFO1234yf, HFO1234ze(E) and HC600a inside a roll-bond evaporator. *International Journal Of Refrigeration*. Vol. 54, pp. 1 - 9. DOI:10.1016/j.ijrefrig.2015.02.010.
9. Longo, G. A.; Mancin, S.; Righetti, G.; Zilio, C.; 2015. HFC32 vaporisation inside a Brazed Plate Heat Exchanger (BPHE): Experimental measurements and IR thermography analysis. *International Journal Of Refrigeration*. Vol. 57, pp. 77 - 86. DOI:10.1016/j.ijrefrig.2015.04.017.
10. Longo, G. A.; Zilio, C.; Righetti, G.; 2015. Condensation of the low GWP refrigerant HFC152a inside a Brazed Plate Heat Exchanger. *Experimental Thermal And Fluid Science*. Vol. 68, pp. 509 - 515. DOI:10.1016/j.expthermflusci.2015.06.010.
11. Longo, G. A.; Mancin, S.; Righetti, G.; Zilio, C.; 2016. Saturated flow boiling of HFC134a and its low GWP substitute HFO1234ze(E) inside a 4 mm horizontal smooth tube. *International Journal Of Refrigeration*. Vol. 64, pp. 32 - 39. DOI:10.1016/j.ijrefrig.2016.01.015.
12. Longo, G. A.; Mancin, S.; Righetti, G.; Zilio, C.; 2016. HFO1234ze(E) vaporisation inside a Brazed Plate Heat Exchanger (BPHE): Comparison with HFC134a and HFO1234yf. *International Journal Of Refrigeration*. Vol. 67, pp. 125 - 133. DOI:10.1016/j.ijrefrig.2016.04.002.
13. Longo, G. A.; Mancin, S.; Righetti, G.; Zilio, C.; 2016. HFC32 and HFC410A flow boiling inside a 4 mm horizontal smooth tube. *International Journal Of Refrigeration*. Vol. 61, pp. 12 - 22. DOI:10.1016/j.ijrefrig.2015.09.002.

14. Righetti, G.; Zilio, C.; Mancin, S.; Longo, G. A.; 2016. A review on in-tube two-phase heat transfer of hydro-fluoro-olefines refrigerants. *Science And Technology For The Built Environment*. Vol. 22 (8), pp. 1191 - 1225. DOI:10.1080/23744731.2016.1229528.
15. Longo, G. A.; Mancin, S.; Righetti, G.; Zilio, C.; 2016. HFC404A vaporisation inside a Brazed Plate Heat Exchanger (BPHE): Comparison with the possible long-term low GWP substitutes HC290 (Propane) and HC1270 (Propylene). *Applied Thermal Engineering*. Vol. 108, pp. 1401 - 1408. DOI:10.1016/j.applthermaleng.2016.08.006.
16. Longo, G. A.; Righetti, G.; Zilio, C.; 2016. Development of an Innovative Raw Milk Dispenser Based on Nanofluid Technology. *International Journal Of Food Engineering*. Vol. 12 (2), pp. 165 - 172. DOI:10.1515/ijfe-2015-0127.
17. Longo, G. A.; Mancin, S.; Righetti, G.; Zilio, C.; 2017. HFC404A condensation inside a small brazed plate heat exchanger: Comparison with the low GWP substitutes propane and propylene. *International Journal Of Refrigeration*. Vol. 81, pp. 41 - 49. DOI:10.1016/j.ijrefrig.2017.05.017.
18. Longo, G. A.; Mancin, S.; Righetti, G.; Zilio, C.; 2017. Flow dynamic and energetic assessment of a commercial micro-pump for a portable/wearable artificial kidney: Peristaltic vs. diaphragm pumps. *Thermal Science And Engineering Progress*. Vol. 3, pp. 31 - 36. DOI:10.1016/j.tsep.2017.03.006.
19. Longo, G. A.; Mancin, S.; Righetti, G.; Zilio, C.; 2017. Hydrocarbon refrigerants HC290 (Propane) and HC1270 (Propylene) low GWP long-term substitutes for HFC404A: A comparative analysis in vaporisation inside a small-diameter horizontal smooth tube. *Applied Thermal Engineering*. Vol. 124, pp. 707 - 715. DOI:10.1016/j.applthermaleng.2017.06.080.
20. Longo, G. A.; Mancin, S.; Righetti, G.; Zilio, C.; 2017. Saturated vapour condensation of HFC404A inside a 4 mm ID horizontal smooth tube: Comparison with the long-term low GWP substitutes HC290 (Propane) and HC1270 (Propylene). *International Journal Of Heat And Mass Transfer*. Vol. 108, pp. 2088 - 2099. DOI:10.1016/j.ijheatmasstransfer.2016.12.087.
21. Doretto, L.; Longo, G. A.; Mancin, S.; Righetti, G.; Zilio, C.; 2017. Flow boiling heat transfer on a Carbon/Carbon surface. *International Journal Of Heat And Mass Transfer*. Vol. 109, pp. 938 - 948. DOI:10.1016/j.ijheatmasstransfer.2017.02.066.
22. Longo, G. A.; Mancin, S.; Righetti, G.; Zilio, C.; Doretto, L.; 2017. Saturated R134a flow boiling inside a 4.3 mm inner diameter microfin tube. *Science And Technology For The Built Environment*. Vol. 23(6), pp. 933 - 945. DOI:10.1080/23744731.2017.1300012.
23. Longo, G. A.; Mancin, S.; Righetti, G.; Zilio, C.; 2018. Saturated vapour condensation of R410A inside a 4 mm ID horizontal smooth tube: Comparison with the low GWP substitute R32. *International Journal Of Heat And Mass Transfer*. Vol. 125, pp. 702 - 709. DOI:10.1016/j.ijheatmasstransfer.2018.04.109.
24. Righetti, G.; Longo, G. A.; Zilio, C.; Akasaka, R.; Mancin, S.; 2018. R1233zd(E) flow boiling inside a 4.3 mm ID microfin tube. *International Journal Of Refrigeration*. Vol. 91, pp. 69 - 79. DOI:10.1016/j.ijrefrig.2018.04.020.
25. Righetti, G.; Zilio, C.; Mancin, S.; Longo, G. A.; 2018. Heat Pipe Finned Heat Exchanger for Heat Recovery: Experimental Results and Modeling. *Heat Transfer Engineering*. Vol. 39 (12), pp. 1011 - 1023. DOI:10.1080/01457632.2017.1358483.
26. Zilio, C.; Righetti, G.; Mancin, S.; Hodot, R.; Sarno, C.; Pomme, V.; Truffart, B.; 2018. Active and passive cooling technologies for thermal management of avionics in helicopters: Loop heat pipes and mini-

Vapor Cycle System. *Thermal Science And Engineering Progress*. Vol. 5, pp. 107 - 116.
DOI:10.1016/j.tsep.2017.11.002.

27. Zilio, C.; Righetti, G.; Pernigotto, G.; Longo, G. A.; 2018. Analysis of the freezing time of chicken breast finite cylinders. *International Journal Of Refrigeration*. Vol. 95, pp. 38 - 50.
DOI:10.1016/j.ijrefrig.2018.08.013.
28. Lazzarin, R.M.; Mancin, S.; Noro, M.; Righetti, G.; 2018. Hybrid PCM—aluminium foams' thermal storages: an experimental study. *The International Journal Of Low Carbon Technologies*. Vol. 13 (3), pp. 286 - 291. DOI:10.1093/ijlct/cty030.
29. Hooman, K.; Sadafi, H.; Mancin, S.; Righetti, G.; Xin, G.; 2019. Theoretical analysis of free convection in a partially foam-filled enclosure. *Heat And Mass Transfer*. Vol. 55, pp. 1937 - 1946. DOI:10.1007/s00231-018-2466-4.
30. Righetti, G.; Lazzarin, R.M.; Noro, M.; Mancin, S.; 2019. Phase Change Materials embedded in porous matrices for hybrid thermal energy storages: experimental results and modelling. *International Journal Of Refrigeration*. Vol. 106, pp. 266 - 277. DOI:10.1016/j.ijrefrig.2019.06.018.
31. Lazzarin, R.; Noro, M.; Righetti, G.; Mancin, S.; 2019. Application of Hybrid PCM Thermal Energy Storages with and without Al Foams in Solar Heating/Cooling and Ground Source Absorption Heat Pump Plant: An Energy and Economic Analysis. *Applied Sciences*. Vol. 9 (5), pp. 1007. DOI:10.3390/app9051007.
32. Longo, G.A.; Mancin, S.; Righetti, G.; Zilio, C.; 2019. R1234yf and R1234ze(E) as environmentally friendly replacements of R134a: assessing flow boiling on an experimental basis. *International Journal Of Refrigeration*. Vol. 108, pp. 336 - 346. DOI:10.1016/j.ijrefrig.2019.09.008.
33. Righetti, G.; Longo, G. A.; Zilio, C.; Mancin, S.; 2019. Flow boiling of environmentally friendly refrigerants inside a compact enhanced tube. *International Journal Of Refrigeration*. Vol. 104, pp. 344 - 355. DOI:10.1016/j.ijrefrig.2019.05.036.
34. Longo, G. A.; Mancin, S.; Righetti, G.; Zilio, C.; 2019. Boiling of the new low-GWP refrigerants R1234ze(Z) and R1233zd(E) inside a small commercial brazed plate heat exchanger. *International Journal Of Refrigeration*. Vol. 104, pp. 376 - 385. DOI:10.1016/j.ijrefrig.2019.05.034.
35. Righetti, G.; Doretto, L.; Sadafi, H.; Hooman, K.; Mancin, S.; 2019. Water pool boiling across low pore density aluminum foams. *Heat Transfer Engineering*. pp. 1 - 10. DOI:10.1080/01457632.2019.1640464.
36. Longo, G. A.; Mancin, S.; Righetti, G.; Zilio, C.; 2019. Saturated vapour condensation of R134a inside a 4 mm ID horizontal smooth tube: Comparison with the low GWP substitutes R152a, R1234yf and R1234ze(E). *International Journal Of Heat And Mass Transfer*. Vol. 133, pp. 461 - 473.
DOI:10.1016/j.ijheatmasstransfer.2018.12.115.
37. Longo, G. A.; Righetti, G.; Zilio, C.; 2019. Heat-transfer assessment of the low GWP substitutes for traditional HFC refrigerants. *International Journal Of Heat And Mass Transfer*. Vol. 139, pp. 31 - 38.
DOI:10.1016/j.ijheatmasstransfer.2019.04.144.
38. Longo, G. A.; Mancin, S.; Righetti, G.; Zilio, C.; Steven Brown, J.; 2020. Assessment of the low-GWP refrigerants R600a, R1234ze(Z) and R1233zd(E) for heat pump and organic Rankine cycle applications. *Applied Thermal Engineering*. Vol. 167, pp. 114804. DOI:10.1016/j.applthermaleng.2019.114804.
39. Righetti, G.; Savio, G.; Meneghello, R.; Doretto, L.; Mancin S.; 2020. Experimental study of phase change material (PCM) embedded in 3D periodic structures realized via additive manufacturing. *International Journal of Thermal Sciences*. Vol. 153, pp. 106376. DOI:10.1016/j.ijthermalsci.2020.106376.

40. Longo, G. A.; Righetti, G.; Zilio, C.; Ortombina, L., Zigliotto, M., Brown, S.J.; 2020. Application of an artificial neural network (ANN) for predicting low-GWP refrigerant condensation heat transfer inside herringbone-type brazed plate heat exchangers (BPHE). *International Journal of Heat And Mass Transfer*. Vol. 156, pp. 119824. DOI:10.1016/j.ijheatmasstransfer.2020.119824.
41. Longo, G. A.; Mancin, S.; Righetti, G.; Zilio, C.; Brown, S.J.; 2020. Assessment and optimisation of low-GWP refrigerants during two-phase heat transfer inside small-diameter smooth tubes. *International Journal of Refrigeration*, Vol. 117, pp. 61-70. DOI:10.1016/j.ijrefrig.2020.03.022
42. Righetti, G.; Doretti, L., Zilio, C.; Longo, G. A.; Mancin, S.; 2020. Experimental investigation of phase change of medium/high temperature paraffin wax embedded in 3D periodic structure. *International Journal of Thermofluids*. Vol. 153, pp. 106376. DOI: 10.1016/j.ijthermalsci.2020.106376.
43. Longo, G. A.; Mancin S.; Righetti G.; Zilio C.; Ortombina L.; Zigliotto M.; 2020. Application of an artificial neural network (ANN) for predicting low-GWP refrigerant boiling heat transfer inside brazed plate heat exchangers (BPHE). *International Journal of Heat and Mass Transfer*. Vol. 160, pp. 120204. DOI: 10.1016/j.ijheatmasstransfer.2020.120204
44. Longo G.A.; Mancin S.; Righetti G.; Zilio C.; Ceccato R.; Salmaso L.; 2020. Machine learning approach for predicting refrigerant two-phase pressure drop inside plate heat exchangers (PHE). *International Journal of Heat and Mass Transfer*. Vol. 163, pp. 120450. DOI: 10.1016/j.ijheatmasstransfer.2020.120450
45. Longo, G. A.; Mancin S.; Righetti G.; Zilio C.; 2020. Flow boiling heat transfer capabilities of R134a low GWP substitutes inside a 4 mm id horizontal smooth tube: R600a and R152a HMT. DOI:10.1007/s00231-020-02991-x
46. Doretti L., Righetti G., Longo G. A., Zilio C., Mancin S. 2020. On the hysteresis phenomenon during flow boiling heat transfer on a hydrophilic carbon/carbon surface. *International Communications In Heat And Mass Transfer*, vol. 117, pp. 104795, ISSN: 0735-1933, doi: 10.1016/j.icheatmasstransfer.2020.104795
47. Noro M., Mancin S., Lazzarin R., Righetti G. 2020. Energy performance and economic viability of enhanced hybrid PCM thermal storages using aluminum foams for solar heating and cooling. *Aicarr Journal*, vol. 63, pp. 56-63, ISSN: 2038-2723, doi: 10.36164/AiCARRJ.63.04.04

20.2 - Articoli in atti di convegno

19.2.1. Articoli in atti di convegno internazionale con peer-review

48. Longo, G. A.; Zilio, C.; Righetti, G.; J. S., Brown; 2013. HFO1234ze(E) condensation inside a brazed plate heat exchanger. *Proceedings of the 4th IIR Conference on Thermophysical Properties and Transfer Processes of Refrigerants*, Delft, The Netherland, 17-19 June 2013.
49. Longo, G. A.; Righetti, G.; Zilio, C.; 2014. A New Model For Refrigerant Condensation Inside A Brazed Plate Heat Exchanger (BPHE). *Proceedings of the 15th International Heat Transfer Conference*, Kyoto, Japan, August 10-15, 2014.
50. Righetti, G.; Zilio, C.; Longo, G. A.; 2014. Experimental Analysis of R134a and R1234ze(E) Flow Boiling Inside a Roll Bond Evaporator. *Proceedings of the 15th International Refrigeration and Air Conditioning Conference at Purdue*, Purdue, Lafayette, IN, US, July 14-17, 2014.

51. Longo, G. A.; Zilio, C.; Righetti, G.; Brown, J. S.; 2014. HFO1234ze(Z) Saturated Vapour Condensation inside a Brazed Plate Heat Exchanger. Proceedings of the 15th International Refrigeration and Air Conditioning Conference at Purdue, Purdue, Lafayette, IN, US, July 14-17, 2014.
52. Righetti, G.; Mancin, S.; Zilio, C.; Longo, G. A.; 2015. Experimental And Theoretical Analysis Of A Heat Pipe Heat Exchanger Using HFC-152a As Working Fluid. Proceedings of the 24th IIR International Congress of Refrigeration, Yokohama, Japan, August 16-22, 2015.
53. Longo, G. A.; Mancin, S.; Righetti, G.; Zilio, C.; 2015. HFC32 Vaporisation Inside A Brazed Plate Heat Exchanger. Proceedings of the 24th IIR International Congress of Refrigeration, Yokohama, Japan, August 16-22, 2015.
54. Longo, G. A.; Mancin, S.; Righetti, G.; Zilio, C.; 2015. A new model for refrigerant nucleate boiling inside a Brazed Plate Heat Exchanger (BPHE). Proceedings of the 24th IIR International Congress of Refrigeration, Yokohama, Japan, August 16-22, 2015.
55. Longo, G. A.; Righetti, G.; Zilio, C.; 2015. Development of an innovative raw milk dispenser based on nanofluid technology. Proceedings of the 24th IIR International Congress of Refrigeration, Yokohama, Japan, August 16-22, 2015.
56. Righetti, G.; Pernigotto, G.; Zilio, C.; Longo, G. A.; 2015. Numerical and experimental analysis on poultry freezing time. Proceedings of the 24th IIR International Congress of Refrigeration, Yokohama, Japan, August 16-22, 2015.
57. Longo, G. A.; Mancin, S.; Righetti, G.; Zilio, C.; 2016. HFO1234ze(E) and HFC134a flow boiling inside a 4 mm horizontal smooth tube. Proceedings of the 16th International Refrigeration and Air Conditioning Conference at Purdue, Purdue, Lafayette, IN, US, July 11-14, 2016.
58. Longo, G. A.; Mancin, S.; Righetti, G.; Zilio, C.; 2016. HFO1234ze(E) boiling inside a brazed plate heat exchanger. Proceedings of the 16th International Refrigeration and Air Conditioning Conference at Purdue, Purdue, Lafayette, IN, US, July 11-14, 2016.
59. Mancin, S.; Zilio, C.; Righetti, G.; Doretto, L.; Longo, G. A.; 2016. R134a Flow Boiling inside a 4.3 mm ID Microfin Tube. Proceedings of the 16th International Refrigeration and Air Conditioning Conference at Purdue, Purdue, Lafayette, IN, US, July 11-14, 2016.
60. Righetti, G.; Mancin, S.; Zilio, C.; Longo, G. A.; 2017. An appraisal of existing models for the estimation of in-tube two-phase flow pressure drop of HFO and HC refrigerants. Proceedings of the 15th UK Heat Transfer Conference 2017, Brunel University London, UK, September 4-5, 2017.
61. Lazzarin, R.; Mancin, S.; Noro, M.; Righetti, G.; 2017. Enhancement of Hybrid PCM Thermal Storages Using Aluminum foams. Proceedings of the 16th International Conference on Sustainable Energy Technologies – SET 2017, Bologna, Italy, July 17-20, 2017.
62. Longo, G. A.; Mancin, S.; Righetti, G.; Zilio, C.; 2017. R1233zd(E) flow boiling inside a 4.3 mm ID microfin tube. Proceedings of the 5th IIR Conference on Thermophysical Properties and Transfer Processes of Refrigerants, Seoul, South Korea, 23-26 April 2017.
63. Lazzarin, R.; Mancin, S.; Noro, M.; Righetti, G.; 2017. Experimental analysis of aluminum foams as heat transfer medium for PCM thermal storages. Proceedings of the 5th IIR Conference on Thermophysical Properties and Transfer Processes of Refrigerants, Seoul, South Korea, 23-26 April 2017.
64. Longo, G. A.; Mancin, S.; Righetti, G.; Zilio, C.; 2017. HFC404A condensation inside a 4mm horizontal smooth tube: comparison with the long-term low GWP substitutes HC290 (Propane) and HC1270

(Propylene). Proceedings of the 5th IIR Conference on Thermophysical Properties and Transfer Processes of Refrigerants, Seoul, South Korea, 23-26 April 2017.

65. Longo, G. A.; Mancin, S.; Righetti, G.; Zilio, C.; 2017. HFC404A boiling inside a 4mm horizontal smooth tube: comparison with the long-term low GWP substitutes HC290 (propane) and HC1270 (propylene). Proceedings of the 5th IIR Conference on Thermophysical Properties and Transfer Processes of Refrigerants, Seoul, South Korea, 23-26 April 2017.
66. Mancin, S.; Sadafi, M. H.; Righetti, G.; Zilio, C.; Doretto, L.; Longo, G. A.; Hooman, K.; 2017. Water pool boiling on aluminum foams in a vertical channel. Proceedings of the 9th World Conference on Experimental Heat Transfer, Fluid Mechanics and Thermodynamics, Foz do Iguaçu, Brazil, June 11-15, 2017.
67. Righetti, G.; Mancin, S.; Longo, G. A.; Zilio, C.; Hooman, K.; 2017. Optimization of metal foam air-cooled heat exchangers. Proceedings of the 9th World Conference on Experimental Heat Transfer, Fluid Mechanics and Thermodynamics, Foz do Iguaçu, Brazil, June 11-15, 2017.
68. Longo, G. A.; Mancin, S.; Righetti, G.; Zilio, C.; 2018. Hydrocarbons vaporization inside a 4 mm ID horizontal smooth tube. Proceedings of the 13th IIR Gustav Lorentzen Conference, Valencia, Spain, June 18-20, 2018.
69. Longo, G. A.; Mancin, S.; Righetti, G.; Zilio, C.; 2018. Saturated vapor condensation of hydrocarbons inside a 4 mm ID smooth tube. Proceedings of the 13th IIR Gustav Lorentzen Conference, Valencia, Spain, June 18-20, 2018.
70. Mancin, S.; Righetti, G.; Doretto, L.; Allred, T.P.; Weibel, J.A.; Zilio, C.; 2018. Surface Wettability Modification During Nanofluid Pool Boiling. Proceedings of the 13-th International Conference on Two-Phase Systems for Space and Ground Applications, Xi'an, China, October 15-19, 2018.
71. Righetti, G.; Doretto, L.; Hooman, K.; Longo, G. A.; Mancin, S.; 2018. Water Pool Boiling in Aluminum Foams Porous Layers. Proceedings of the 13-th International Conference on Two-Phase Systems for Space and Ground Applications, Xi'an, China, October 15-19, 2018.
72. Longo, G. A.; Mancin, S.; Righetti, G.; Zilio, C.; 2018. R410A and its low-GWP substitute R32 condensation inside a 4 mm horizontal smooth tube. Proceedings of the 16th International Heat Transfer Conference, IHTC-16, Beijing, China, August 10-15, 2018.
73. Mancin, S.; Doretto, L.; Allred, T. P.; Weibel, J. A.; Righetti, G.; Zilio, C.; Longo, G. A.; 2018. Nanoparticle deposition on roughened copper surfaces via nanofluid pool boiling. Proceedings of the 16th International Heat Transfer Conference, IHTC-16, Beijing, China, August 10-15, 2018.
74. Doretto, L.; Sadafi, H.; Righetti, G.; Hooman, K.; Longo, G. A.; Mancin, S.; 2018. Aluminum foams for water pool boiling enhancement. Proceedings of the 16th International Heat Transfer Conference, IHTC-16, Beijing, China, August 10-15, 2018.
75. Righetti, G.; Doretto, L.; Mancin, S.; Zilio, C.; Longo, G. A.; 2018. R245fa flow boiling heat transfer on an electrically heated carbon/carbon surface. Proceedings of the 16th International Heat Transfer Conference, IHTC--16, Beijing, China, August 10-15, 2018.
76. Mancin, S.; Righetti, G.; Zilio, C.; Longo, G. A.; 2018. R1233zd(E) and R245fa Flow Boiling Heat Transfer and Pressure Drop inside a 4.2 mm ID Microfin Tube. Proceedings of the 17th International Refrigeration and Air Conditioning Conference at Purdue, Purdue, Lafayette, IN, US, July 9-12, 2018.
77. Longo, G. A.; Mancin, S.; Righetti, G.; Zilio, C.; 2018. R134a and its low GWP substitutes R1234yf and R1234ze(E) condensation inside a 4 mm horizontal smooth tube. Proceedings of the 17th International Refrigeration and Air Conditioning Conference at Purdue, Purdue, Lafayette, IN, US, July 9-12, 2018.

78. Longo, G. A.; Mancin, S.; Righetti, G.; Zilio, C.; 2018. R134a And Its Low GWP Substitutes R1234yf And R1234ze(E) Flow Boiling Inside A 4mm Horizontal Smooth Tube. Proceedings of the 17th International Refrigeration and Air Conditioning Conference at Purdue, Purdue, Lafayette, IN, US, July 9-12, 2018.
79. Bobbo, S.; Fedele, L.; Righetti, G.; Zilio, C.; Steven Brown, J.; Di Nicola, G.; 2018. A review of the most studied HFO thermophysical properties and heat transfer applications. Proceedings of the 1st IIR International Conference on the Application of HFO Refrigerants, Birmingham, UK, 2-5 September 2018.
80. Longo, G. A.; Mancin, S.; Righetti, G.; Zilio, C.; 2018. Saturated vapor condensation of R1234ze(Z) inside a 4 mm ID horizontal smooth tube. Proceedings of the 1st IIR International Conference on the Application of HFO Refrigerants, Birmingham, UK, 2-5 September 2018.
81. Mancin, S.; Doretto, L.; Allred, T. P.; Weibel, J. A.; Righetti, G.; Zilio, C.; Longo, G. A.; 2018. Wettability Change Due To Nanoparticle Deposition During Nanofluid Boiling. Proceedings of the Surface Wettability Effects on Phase Change Phenomena (SWEP) Workshop, Mons, Belgium, 6-7 June 2019.
82. Lazzarin, R.; Mancin, S.; Noro, M.; Righetti, G.; 2018. Porous media for advanced hybrid thermal energy storages. 12th IIR/IIF International Conference on Phase-Change Materials and Slurries for Refrigeration and Air Conditioning, PCM 2018, Dresden, Germany, 11-14 September 2018.
83. Lazzarin, R.; Mancin, S.; Noro, M.; Righetti, G.; Zamboni, L.; 2018. Simulation of the phase change process of paraffin waxes with and without al foams for advanced hybrid thermal energy storages. 12th IIR/IIF International Conference on Phase-Change Materials and Slurries for Refrigeration and Air Conditioning, PCM 2018, Dresden, Germany, 11-14 September 2018.
84. Longo, G. A.; Mancin, S.; Righetti, G.; Zilio, C.; 2019. Flow boiling heat transfer capabilities of hydrocarbons inside a 4 mm ID horizontal smooth tube. Proceedings of the 16 th UK Heat Transfer Conference 2019, Nottingham, UK, September 8-10, 2019.
85. Righetti, G.; Calati, M.; Doretto, L.; Hooman, K.; Mancin, S.; 2019. Water Pool boiling on Aluminum Metal Foams. Proceedings of the 37th UIT Heat Transfer Conference, Padova, IT, 24-26 June 2019.
86. Righetti, G.; Akasaka, R.; Bobbo, S.; S Brown, J.; Fedele, L.; Higashi, Y.; A Longo, G.; Mancin, S.; Zilio, C.; 2019. Effect of Refrigerant Properties Estimation on the Prediction Capabilities of Well-Established Two-Phase Heat Transfer and Pressure Drop Models for New Refrigerants. Proceedings of the 37th UIT Heat Transfer Conference, Padova, IT, 24-26 June 2019.
87. Righetti, G.; Savio, Gianpaolo; Meneghello, Roberto; Doretto, L.; Mancin, S.; 2019. Cellular structured materials obtained via additive manufacturing for electronics cooling application. Proceedings of the 37th UIT Heat Transfer Conference, Padova, IT, 24-26 June 2019.
88. Righetti, G.; Campidelli, M. L.; Bottaro, O.; Zilio, C.; 2019. Development of a propane double duct room air conditioner. Proceedings of the 25th IIR International Congress of Refrigeration, Montreal, Canada, August 24 -30, 2019.
89. Longo, G. A.; Mancin, S.; Righetti, G.; Zilio, C.; 2019. R1234ze(Z) and R1233zd(E) vaporisation inside a Brazed Plate Heat Exchanger (BPHE). Proceedings of the 25th IIR International Congress of Refrigeration, Montreal, Canada, August 24 -30, 2019.
90. Longo, G. A.; Mancin, S.; Righetti, G.; Zilio, C.; 2019. R1233zd(E) and R1234ze(Z) condensation inside a 4 mm horizontal smooth tube. Proceedings of the 25th IIR International Congress of Refrigeration, Montreal, Canada, August 24 -30, 2019.

91. Longo, G. A.; Mancin, S.; Righetti, G.; Zilio, C.; 2019. R1224yd(Z) Flow Boiling inside a Mini Microfin Tube. Proceedings of the 25th IIR International Congress of Refrigeration, Montreal, Canada, August 24 -30, 2019.

92. Righetti, G.; Savio, Gianpaolo; Meneghello, Roberto; Doretti, L.; Mancin, S.; 2019. Optimized 3D periodic structures for advanced latent thermal energy storages (LTESs) via additive manufacturing. Proceedings of the 25th IIR International Congress of Refrigeration, Montreal, Canada, 24 -30 August 2019.

20.2.2. Articoli in atti di conferenza nazionale

90. Longo G. A., Mancin S., Righetti G., Zilio C., (2017). R245fa Flow Boiling inside a 4.2 mm ID Microfin Tube, 35th UIT Heat Transfer Conference, 26-28 Giugno, 2017, Ancona, Italy. Journal of Physics: Conference Series 923 012016

91. Doretti L., Longo G. A., Mancin S., Righetti G., Weibel J. A., (2017). Nanoparticle Deposition During Cu-Water Nanofluid Pool Boiling, 35th UIT Heat Transfer Conference, 26-28 Giugno, 2017, Ancona, Italy. Journal of Physics: Conference Series 923 012004