

CURRICULUM VITAE**INFORMAZIONI PERSONALI**

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Data di nascita	27/11/1961
Qualifica	Professore Ordinario
Dipartimento	Dipartimento di Tecnica e Gestione dei Sistemi Industriali (DTG)
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TITOLI DI STUDIO E CARRIERA

Titolo di studio	Laurea in Ingegneria Meccanica
Carriera	Ricercatore Universitario di ING-IND/10 dal 1990 al 1997 Professore Associato di ING-IND/10 dal 1997 al 2004 Professore Ordinario di ING-IND/10 dal 2004.
Incarichi istituzionali	Member of the Scientific Council of the International Sorption Heat Pump Conference dal 2008 Membro della commissione scientifica di Ateneo dal 2008 al 2012 Chair of the 2011 Sorption Heat Pump Conference Vice-direttore del DTG – Vicenza dal 2009 al 2011 Direttore del DTG – Vicenza dal 2012 Membro del NdV del Conservatorio Pedrollo - Vicenza dal 2012 Membro del Senato accademico dal 2015.
Principali pubblicazioni Ultimi 5 anni	1. G.A. Longo, A. Gasparella, Experimental measurement of thermophysical properties of H₂O/KCOOH (potassium formate) desiccant, <i>Int. J. Refrigeration</i>, 2015, in Press. 2. G.A. Longo, G. Righetti, C. Zilio, Development of an innovative raw milk dispenser based on nanofluid technology, <i>Int. J. Food Engineering</i>, 2015, in Press. 3. G.A. Longo, S. Mancin, G. Righetti, C. Zilio, HFC32 and HFC410a flow boiling inside a 4mm horizontal smooth tube, <i>Int. J. Refrigeration</i>, 2015, in Press. 4. G.A. Longo, S. Mancin, G. Righetti, C. Zilio, A new model for refrigerant boiling inside brazed plate heat exchangers (BPHEs), <i>Int. J. Heat Mass Transfer</i>, 2015, vol. 91, pp. 144–149. 5. G.A. Longo, G. Righetti, C. Zilio, Condensation of the low GWP refrigerant HFC152a inside a Braze Plate Heat Exchanger, <i>Experimental Thermal And Fluid Science</i>, 2015, vol. 68, pp. 509 – 515. 6. G.A. Longo, S. Mancin, G. Righetti, C. Zilio, HFC32 vaporisation inside a Braze Plate Heat Exchanger (BPHE): experimental measurements and IR thermography analysis, <i>Int. J. Refrigeration</i>, 2015, vol. 57, pp. 77 – 86. 7. G. Righetti, C. Zilio, G.A. Longo, Comparative performance analysis of the low GWP refrigerants HFO1234yf, HFO1234ze(e) and HC600a inside a roll-bond evaporator, <i>Int. J. Refrigeration</i>, 2015, vol. 54, pp. 1–9. 8. G.A. Longo, S. Mancin, G. Righetti, C. Zilio, HFC32, a low GWP

	substitute for HFC410a in medium size chillers and heat pumps, <i>Int. J. Refrigeration</i>, 2015, vol.53, pp. 62 – 68. 9. G.A. Longo, A. Gasparella, Three years experimental comparative analysis of a desiccant based air conditioning system for a flower greenhouse: assessment of different desiccant, <i>Applied Thermal Engineering</i>, 2015, vol.78, pp.584 – 590. 10. G.A. Longo, G. Righetti, C. Zilio, A new computational procedure for refrigerant condensation inside herringbone-type brazed plate heat exchangers, <i>Int. J. Heat Mass Transfer</i>, 2015, vol. 82, pp.530 – 536. 11. G.A. Longo, C. Zilio, G. Righetti, J.S. Brown, Experimental assessment of the low GWP refrigerant HFO-1234ze(Z) for high temperature heat pumps, <i>Experimental Thermal And Fluid Science</i>, 2014, vol. 57, pp. 293 – 300. 12. G.A. Longo, C. Zilio, G. Righetti, F. Bertolo, Experimental and theoretical analysis of a heat pipe heat exchanger operating with a low global warming potential refrigerant, <i>Applied Thermal Engineering</i>, 2014, vol.65; pp. 361-368. 13. G.A. Longo, C. Zilio, G. Righetti, J.S. Brown, Condensation of the low GWP refrigerant HFC1234ze(E) inside a brazed plate heat exchanger, <i>Int. J. Refrigeration</i>, 2014, vol. 38; pp. 250 – 259. 15. G.A. Longo, C. Zilio, Experimental Measurement of Thermophysical Properties of Al₂O₃ and TiO₂-Ethylene Glycol Nanofluids, <i>Int. J. Thermophysics</i>, 2013, vol. 34; p. 1288 – 1307 16. G.A. Longo, C. Zilio, Condensation of the low GWP refrigerant HFC1234yf inside a brazed plate heat exchanger, <i>Int. J. Refrigeration</i>, 2013, vol. 36; p. 612 – 621 17. G.A. Longo, Hydrocarbon Refrigerant Vaporization Inside a Brazed Plate Heat Exchanger, <i>ASME J. Heat Transfer</i>, 2012, vol. 134; p. 101801-1-10 18. G.A. Longo, A. Gasparella, Comparative experimental analysis and modelling of a flower greenhouse equipped with a desiccant system, <i>Applied Thermal Engineering</i>, 2012, vol.47; p. 54 – 62 19. G.A. Longo, C. Zilio, E. Ceseracciu, M. Reggiani, Application of artificial neural network (ANN) for the prediction of thermal conductivity of oxide-water nanofluids. <i>Nano Energy</i>, 2012, vol. 1; p. 290 – 296 20. G.A. Longo, Vaporisation of the low GWP refrigerant HFO1234yf inside a brazed plate heat exchanger, <i>Int. J. Refrigeration</i>, 2012, vol.35; p. 952 – 961 21. G.A. Longo, The effect of vapour super-heating on hydrocarbon refrigerant condensation inside a brazed plate heat exchanger. <i>Experimental Thermal And Fluid Science</i>, 2011, vol. 35; p. 978 – 985 22. G.A. Longo, C. Zilio, Experimental measurement of thermophysical properties of oxide-water nano-fluids down to ice-point. <i>Experimental Thermal And Fluid Science</i>, 2011, vol. 35; p. 1313 – 1324.
Altro (convegni, collaborazione a riviste, ...) Ultimi 5 anni	1. C. Zilio, S. Mancin, J.S. Brown, G.A. Longo, New refrigerant options for R404a replacement in truck refrigeration systems, <i>Proc. of the 24th International Congress of Refrigeration</i>, August 16-22, 2015, Yokohama, Japan, Paper ICR2015-436. 2. G.A. Longo, G. Righetti, C. Zilio, Development of an innovative raw milk dispenser based on nanofluid technology, <i>Proc. of the 24th International Congress of Refrigeration</i>, August 16-22, 2015, Yokohama, Japan, Paper ICR2015-276. 3. G. Righetti, G. Pernigotto, C. Zilio, G.A. Longo, Numerical and experimental analysis on poultry freezing time, <i>Proc. of the 24th</i>

- International Congress of Refrigeration*, August 16-22, 2015, Yokohama, Japan, Paper ICR2015-273.
4. G. Righetti, S. Mancin, C. Zilio, **G.A. Longo**, Experimental and theoretical analysis of a heat pipe heat exchanger using HFC-152a as working fluid, *Proc. of the 24th International Congress of Refrigeration*, August 16-22, 2015, Yokohama, Japan, Paper ICR2015-270.
 5. **G.A. Longo**, S. Mancin, G. Righetti, C. Zilio, HFC32 vaporisation inside a brazed plate heat exchanger (BPHE), *Proc. of the 24th International Congress of Refrigeration*, August 16-22, 2015, Yokohama, Japan, Paper ICR2015-190.
 6. **G.A. Longo**, S. Mancin, G. Righetti, C. Zilio, A new model for refrigerant boiling inside a brazed plate heat exchanger (BPHE), *Proc. of the 24th International Congress of Refrigeration*, August 16-22, 2015, Yokohama, Japan, Paper ICR2015-189.
 7. **G.A. Longo**, A. Gasparella, Experimental measurement of thermophysical properties of H₂O/KCOOH desiccant, *Proc. of Nineteenth Symposium on Thermophysical Properties*, June 21 - 26, 2015, University of Colorado at Boulder, Boulder, CO, USA.
 8. **G.A. Longo**, C. Zilio, G. Righetti, A new model for refrigerant condensation inside a brazed plate heat exchanger (BPHE), *Proc. of the 15th International Heat Transfer Conference*, August 10-15, 2014, Kyoto, Japan, Paper IHTC15-8532.
 9. **G.A. Longo**, C. Zilio, G. Righetti, J.S. Brown, HFO1234ze(Z) saturated vapour condensation inside a brazed plate heat exchanger, *Proc. of 15th International Refrigeration and Air Conditioning Conference at Purdue*, July 14-17, 2014, Paper 2208.
 10. G. Righetti, C. Zilio, **G.A. Longo**, Experimental Analysis of R134a and R1234ze(E) Flow Boiling Inside a Roll Bond Evaporator, *Proc. of 15th International Refrigeration and Air Conditioning Conference at Purdue*, July 14-17, 2014, Paper 2220.
 11. **G.A. Longo**, A. Gasparella, Three years experimental comparative analysis of a desiccant-based air conditioning system for a flower greenhouse, *Proc. of 2014 International Sorption Heat Pump Conference*, 30 March – 2 April, 2014, Washington D.C., US.
 12. **G.A. Longo**, C. Zilio, G. Righetti, J.S. Brown, HFO1234ze(E) condensation inside a brazed plate heat exchanger, *Proc. of 4th IIR Conference on Thermophysical Properties and Transfer Processes of Refrigerants*, 17-19 June, 2013, Delft, The Netherlands, Paper TP-015.
 13. **G.A. Longo**, C. Zilio, HFO1234yf condensation inside a brazed plate heat exchanger, *Proc. of Int. Refrigeration and Air Conditioning Conference at Purdue*, July 16-19, 2012, Paper 2128.
 14. **G.A. Longo**, C. Zilio, Experimental measurement of thermophysical properties of Al₂O₃-Ethylene Glycol nanofluid, *Proc. of Eighteenth Symposium on Thermophysical Properties*, June 24 - 29, 2012, University of Colorado at Boulder, Boulder, CO, USA.
 15. **G.A. Longo**, HFO1234yf vaporisation inside a brazed plate heat exchanger, *Proc. of 23th International congress of Refrigeration*, 21-26 August, 2011, Prague, Czech Republic
 16. **G.A. Longo**, A. Gasparella, S. Storato, Experimental analysis of a desiccant-based air conditioning system for a flower greenhouse, *Proc. of 2011 International Sorption Heat Pump Conference*, 5-7 April, 2011, Padua, Italy.