

Emeritus Prof. Damon Honnery
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Biography

Damon Honnery is an Emeritus Professor in the Department of Mechanical and Aerospace Engineering. He obtained his undergraduate degree in mechanical engineering from the University of Sydney in 1985. Following this he was employed as a research fellow at the University of Sydney during which he obtained a MEngSc in 1987. In 1987 he was awarded a cadet research scientist position in the Aeronautical Research Laboratory (ARL) during which he obtained his PhD in gas turbine related research from the University of Sydney in 1992. This was followed by an appointment as a research scientist at ARL in the Propulsion Branch where he undertook research on soot formation in gas turbines systems. In 1993 he took up a lectureship at Monash University at the Caulfield Campus, he then moved to the Clayton Campus in 1999 where he established the Monash Aerospace Engineering Degree and with Julio Soria he jointly established the Laboratory for Turbulence Research in Aerospace and Combustion being co-director until 2023. In the Department of Mechanical and Aerospace Engineering where he lectured in propulsion systems he has been Aerospace Course Director, Director of Undergraduate Affairs, Director of Research, and Deputy Head. In the Faculty of Engineering he held the position of Deputy Dean Operations, played a leading role in the development of the Monash Makerspace and was Interim Joint Director of the Woodside-Monash Energy Partnership. His research interests range from spray systems, particle flows, pollutant formation, renewable energy and climate change mitigation. As well as his fundamental research across these topics he has also carried out applied research across a range of industries including aerospace, automotive, rail, freight, energy, mining and pharmaceuticals.

Qualifications

Research output

Measurement of vapor pressure and viscosity of ethanol in HFA134a, HFA152a, and HFO1234ze(E) mixtures used in pMDIs

Vutlapalli, S., Rao, L., Myatt, B., Cocks, P., Stein, S., Ong, H. X., Young, P., Honnery, D. & Duke, D. J., 2024, *Proceedings of Respiratory Drug Delivery 2024*. RN, D., J. P., JD, S., PM, Y., D, T. & A, W. (eds.). RDD Online, p. 346-350 5 p.

Green Energy Prospects of Electricity Generated from Short-Rotation Woody Crops—Quantifying the EROI_g of Bioelectricity

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Aboujafari, M., Valipour, M. S., Hajjalimohammadi, A. & Honnery, D., Feb 2022, In: *Transport in Porous Media*. 141, 3, p. 799-824 26 p.

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