

Biography

Dr Daniel Duke

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Dr Daniel Duke is a Senior Lecturer in the Department of Mechanical & Aerospace Engineering at Monash University, Australia. He holds a Bachelor of Engineering and Aerospace Technology (2008) and a PhD in Engineering from Monash University (2013).

Dr. Duke's area of expertise is the fluid mechanics of aerosols and sprays, with a particular focus on pharmaceutical inhalers. Over the last 15 years he has been involved in the development of a range of optical and synchrotron X-ray measurement techniques for cavitation and sprays. Dr. Duke's current research interests span both experimental and simulation-based approaches to complex multi-phase, multi-component fluid flows.

Dr. Duke has published over 50 peer reviewed journal articles and over 60 refereed conference proceedings. He leads the Multiphase Flow Laboratory group in the Department of Mechanical & Aerospace Engineering at Monash University, supervising several PhD students and postdoctoral fellows. Dr. Duke is a Fulbright fellow (2011) and an Australian Research Council DECRA Fellow (2017). He has been awarded over AUD 7.5M in competitive research grant funding, and is lead principal investigator on several ARC projects.

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