

CHRIS DALES

SENIOR CONSULTANT



Qualifications

MEng (Hons) Aerospace Engineering at University of Liverpool

Publications

Dales et al: Asymmetry in the turbulent flow of a viscoelastic liquid through an axisymmetric sudden expansion, *Journal of Non-Newtonian Fluid Mechanics*, v 125, n 1, Jan 10, 2005, p 61-70

Escudier et al: Observations of asymmetrical flow behaviour in transitional pipe flow of yield-stress and other shear-thinning liquids, *Journal of Non-Newtonian Fluid Mechanics*, v 127, n 2-3, May 1, 2005, p 143-155

Escudier et al: Asymmetrical flow behaviour in transitional pipe flow of non-Newtonian liquids, *American Society of Mechanical Engineers, Fluids Engineering Division (Publication) FED*, v 261 FED, 2005, p 869-877

Awards

IMechE certificate for best Masters dissertation project (2003)

Main Responsibilities

To assist and consult on all aspects of theatre design, specialising in the design of stage engineering and other technical systems.

Experience

After working at Arup for seven years, Chris joined Charcoalblue with extensive experience in theatre consultancy, specialising in the design of production lighting, seating and stage engineering systems. Whilst at Arup, Chris worked as a technical systems designer and acted as the main point of liaison with architects and contractors as project manager on a number of performing arts projects, mainly based in Singapore. With Charcoalblue, Chris continues to manage projects in his role as team leader, as well as designing stage engineering systems.

Consultancy work

Liverpool Philharmonic; Conservatoire Project, Birmingham; Chicago Shakespeare Theater; Theatre Royal, York; CenterStage, Baltimore; Theatre Peckham, Southwark; Wellington College, Berkshire; Perth Theatre, Scotland; St Giles, London; The Tricycle, Kilburn; Royal Opera House, Convent Garden; Cheltenham Town Hall; Hurst College, West Sussex; High School of Dundee, Scotland; Theatre Royal, Drury Lane; Mercury Theatre, Colchester, Wild Rice, Singapore; Theatre Royal, Drury Lane; Sydney Theatre Company; No 1 Oxford Street, London; Waikato, New Zealand; Mountview Academy of Theatre Arts, London; Storyhouse, Chester.

Previous consultancy work

Empress Place and Esplanade Park refurbishment, Singapore; LaSalle College of the Arts, Singapore - music practice room refurbishment; New MediaCorp Complex, Singapore; The Esplanade Theatre Company Ltd, Singapore; Lucasfilm Screening Room, Singapore; National University of Singapore, Yale-NUS College; Victoria Theatre and Concert Hall, Singapore; Lycee Francais de Singapour, Singapore; Sabah Al Ahmed, Kuwait; Queensland University of Technology - Creative Industries, Brisbane; Singapore International School, Hong Kong; School of Arts, Singapore; Genexis Theatre, Singapore; Grand Canal Square Theatre, Dublin.

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Last updated: 31 Jul 17

