



Professor Bassam Dally

Professor/Deputy Director of CET



Biography/ Background

Professor Bassam Dally obtained his PhD, in Combustion Science, from the University of Sydney, Australia, in 1998. He joined the School of Mechanical Engineering at the University of Adelaide in the same year and served as Deputy Head of school from 2001-2010 and as Head of School 2010-2014. He, along with others, established the Centre for Energy Technology, CET, in 2008 and was appointed Deputy Director in 2009. He is vice-president of the ANZ section of the Combustion Institute and is a member of the Australasian Fluid Mechanics Society. For the last 25 years, Prof Dally has contributed to many research fields including combustion science, aerodynamics, heat transfer, applied optics, computational fluid dynamics, and renewable energy including wind, solar and tidal wave. He has published more than 90 journal papers in leading international journals and won few awards and honors. He collaborates widely with many national and international researchers and have jointly attracted ~\$39M in funding from ARENA (4 projects) and ~\$5M from the ARC (11 research grants). For further information, please consult my personal web page: <http://www.mecheng.adelaide.edu.au/~bdally/>

Qualifications

- Ph.D. in Mechanical Engineering, University of Sydney, 1998 B.Sc. In Mechanical Engineering, Technion, Haifa, 1988

Teaching Interests

Combustion
Fluid Mechanics
Sustainable Energy
Heat Transfer
Thermodynamics

Research Interests

MILD Combustion/ Flameless Oxidation
Soot Evolution in Flames
Combustion-Solar Hybrid Energy
Effect of Leading Edge Protuberance of Airfoil Performance Utilization of VIV and WIV for Energy Generation
Turbulent Reacting Flows
Heat Transfer
Utilization of Olive Residues for Energy Generation Air Conditioning
Utilization of Bio-Fuels for Energy Generation
Computational Fluid Dynamics
Laser Diagnostics