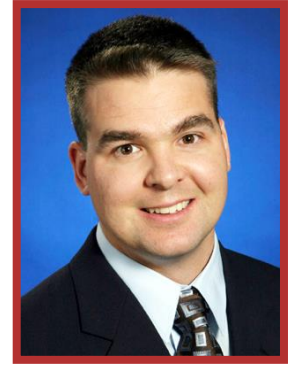


Dr. Greg White

Airport Pavement Engineering Specialist

Dr. Greg White is the sole director and proprietor of APES and also holds the position of Adjunct Associate Professor of Pavement Engineering at the University of the Sunshine Coast. Following a career as an Airfield Engineering Officer in the Royal Australian Air Force, Greg worked for a number of leading Australian design consultants as a Principal Airport Pavement Engineer and then as the Technical Manager Airports for construction and surfacing company Fulton Hogan.



In 2016 Greg established APES in order to provide specialist independent advice to the airport industry. Greg holds a number of Masters level degrees, as well as a PhD, all earned in the area of pavement materials and engineering. Greg is one of Australia's most experienced and qualified airport pavement engineers and researchers.

Contact Details

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Qualifications

Doctor of Philosophy, University of Sunshine Coast, 2015

Master of Engineering, Queensland University of Technology, 2008

Master of Engineering, University of New South Wales, 2007

Master of Technology (Pavements), Deakin University, 2002

Master of Engineering, University of Newcastle, 2000

Bachelor of Engineering (Civil, Honours 1), University of New South Wales, 1997

Graduate Certificate of Applied Statistics, Murdoch University, 2005

Chartered Professional Engineer, Engineering Australia, since 2000

Registered professional Engineering Queensland, since 2006

Expertise

Pavement Research and Investigation

Pavement Design and Evaluation

Pavement Maintenance and Management

Pavement Construction and Logistics Management

Technical Specialties

Bitumen and asphalt selection and specification

Pavement structural design

Structural evaluation and PCN assignment

Spray seal design and supervision

Inspection and maintenance planning
Independent and peer review of design documentation
Constructability and operational constraint review
New product and technology evaluation
Forensic and distress investigation
Expert witness reports and services

Publications

Theses and Dissertations

White, GW 2015, *Systematic Diagnosis of Factors Leading to Cyclic Shear Creep of Airport Asphalt Surfaces*, A Dissertation submitted to the Faculty of Science, Health, Education and Engineering, University of the Sunshine Coast, for the Award of Doctor of Philosophy, August.

White, GW 2007, *An Investigation of the Australian Layered Elastic tool for Flexible Aircraft Pavement Thickness Design*, A Thesis submitted to the Faculty of Built Environment and Engineering, Queensland University of Technology, for the Award of Master of Engineering, July.

White, GW 2006, *Laboratory Characterisation of Cementitiously Stabilised Pavement Materials*, A Thesis submitted to the School of Aerospace, Civil & Mechanical Engineering, University of New South Wales at the Australian Defence force Academy, for the Award of Master of Engineering, August.

White, GW 1999, *Aircraft Pavement Joint Sealants – Standards, Specifications and Materials*, A Thesis submitted to the Department of Civil Engineering, University of Newcastle, for the Award of Master of Engineering in Civil Engineering, December.

White, GW 1997, *Investigation of Fuel Farm Contamination at RAAF Base Williamtown*, A Thesis submitted to the University of New South Wales at the Australian Defence force Academy, for partial completion of Bachelor of Civil Engineering, October.

Technical Papers

Refer to https://www.researchgate.net/profile/Greg_White9 for technical paper publication details

Employment History

APES, Sole Director and Proprietor, 2016 to present
University of the Sunshine Coast, Associate Professor, 2016 to present
Fulton Hogan, Technical Manager Airports, 2009-2016
GHD, Principal Pavement Engineer, 2008-2009
SKM, Principal Airport and Pavement Engineer, 2005-2008
GHD, Principal Airport and Pavement Engineer, 2002-2005
Department of Defence, Airfield Engineering Officer, 1998-2002

Non-Project Experience

Teaching Experience

Master of Transportation Technology, University of the Sunshine Coast, specialist lecturer in airport pavements and materials, since 2014

Expedient Airfield Survey Course, development of materials, delivery of training and updating of materials, 2000-2003

Committee and Board Experience

Director and Convener, University of the Sunshine Coast *Airfield Engineering CPD Seminar* 4-6 May 2016

Member of the Editorial Board of the *International Journal of Pavement Engineering and Asphalt Technology* since 2015

Member of the Editorial Board of the *International Journal of Pavements* since 2016

Member of the CASA MOS 139 *Post Implementation Review* committee 2015-2016

Member and Secretary of the *Australian Airport Association Pavement Working Group* since 2014

Member of Australian Standard Committee CH-025 (*Bitumen and Related Products*) since 2013

Significant Recent Project Experience

Projects in 2016

Devonport Airport, runway overlay, Design and Construct, lead designer

Brisbane Airport, runway overlay, technical advisor

Gladstone Airport, inspection and rejuvenation planning

Dubbo Airport, runway upgrade and overlay, specialist advisor to the owner

Sunshine Coast Airport, new runway development, specialist pavement advisor

Proserpine Airport, runway upgrade and airport expansion, specialist advisor to the owner

Projects in 2015

Gold Coast Airport, runway overlay, technical advisor

Barimunya Airport, reconstruction and asphalt surfacing, Design and Construction, lead designer

Cairns Airport, runway cracking inspection and advice

Gold Coast Airport, runway resurfacing, distress investigator and technical advisor

Koolan Island Airport, new airfield Design and Construction, tender design manager and pavement lead

Cooma Airport, airport upgrade planning, inspection and concept design report

Projects in 2014

Barimunya and Coondewanna Airports, resealing, Design and Construction, lead designer

RAAF Woomera, runway overlay and apron reconstruction, technical advisor and alternate design lead

Launceston Airport, runway overlay, technical advisor

Dubbo Airport, runway reseal, technical advisor and construction supervisor

Tamworth Airport, RPT apron resurfacing, inspection and scope development

Brunei Airport, complete airfield upgrade, Design and Construct, tender design manager

Projects 2013

Melbourne Airport, runway distress investigation, researcher and investigator

RAAF Darwin, taxiway widening, technical advisor and alternate design lead

RAAF Townsville, helicopter apron overlay, technical advisor

Brisbane Airport, runway overlay, technical advisor

St George Airport, runway reconstruction and seal, design manager and lead designer

Hamilton Island Airport, runway overlay, technical advisor

Moranbah Airport, apron and runway inspection and upgrade scope, design lead

Mildura Airport, taxiway distress, inspection and upgrade options, design engineer

Defence airfield maintenance program, technical advisor and part-time site supervisor

Projects in 2012

Cocos Island Airport, runway upgrade and reseal, technical advisor and construction supervisor

Melbourne Airport, Taxiway F and Southern apron concrete construction, technical advisor

Weipa Airport, runway resealing, technical advisor and distress lead investigator

Sunshine Coast Airport, runway distress, inspection and technical advice

Defence airfield maintenance program, technical advisor and part-time site supervisor

Projects in 2011

Melbourne Airport, runway overlay, technical advisor

RAAF Peace, Gin Gin and Oakey, runway overlays, technical advisor

Defence airfield maintenance program, technical advisor and part-time site supervisor

Adelaide Airport, runway overlay, technical advisor

Major Projects Prior to 2011

Olympic Dam Airport, new airport development, site selection and concept design, design manager

Moomba Airport, runway overlay, technical advisor and alternate design lead

RAAF Williamtown, fighter apron development, pavement designer and design manager

Defence airfields upgrade for new refuelling aircraft, project manager and design lead

Perth Airport, concrete apron reconstruction, technical advisor

RAAF Pearce, taxiway and parking apron reconstruction, lead designer and construction supervisor

Sydney Airport, apron reconstruction and runway overlay, pavement designer

Defence airfield maintenance program, project manager, lead designer and construction supervisor

RAAF Amberley, airfield upgrade and new apron construction, lead pavement designer