

葉健雄



職稱： 助理教授
學院/部門： 人文藝術學院
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教研領域

文物保護與修復，傳統建築材料的製造技術，
材料分析及材料兼容性，創新修復材料設計，
城市環境對建築文物的影響

學歷

- 2002 - 2007 博士學位 / 悉尼科技大學科學學院化學系建築文物修復範疇
(澳大利亞聯邦政府研究生獎學金)
- 2001 - 2002 榮譽學位 / 悉尼科技大學科學學院化學系應用化學一級榮譽學位及大學獎章得獎者
- 1997 - 2001 學士學位 / 悉尼科技大學科學學院化學系應用化學

教學經驗

- 現職 澳門科技大學 / 人文藝術學院 / 助理教授
- 2002 - 2005 悉尼科技大學 / 科學學院 / 講師
- 2001 - 2005 悉尼科技大學 / 科學學院 / 實驗室導師

學術成果

期刊文章：

Ip KH, Stuart B, Ray A, Thomas P (2011). ESEM-EDS Investigation of the Weathering of a Heritage Sydney Sandstone. *Microscopy and Microanalysis: Dec.3:1 – 4 (DOI:10.1017/S1431927610094249, Corpus ID: 31567129)*

Ip KH, Stuart BH, Thomas PS, Ray AS (2011). Characterization of poly9vinyl alcohol) – montmorillonite composites with higher clay contents. *Polymer Testing: 30: 7, 732-736. (DOI: 10.1016/J.PolymerTesting.2011.06.004, Corpus ID: 94036411)*

Ip KH, Stuart BH, Ray AS, Thomas PS (2008). A spectroscopic investigation of the weathering of a heritage Sydney sandstone. *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy; 71: 3, 1032 – 1035. (DOI:10.1016/j.saa.2008.02.042, Corpus ID: 12919291)*

Ip KH, Stuart BH, Thomas PS, Ray AS (2008). Thermal characterization of the clay binder of heritage Sydney sandstones. *Journal of Thermal Analysis and Calorimetry; 92: 1, 97 – 100. (DOI:10.1007/S10973-007-8743-Y, Corpus ID: 53063287)*

Ip KH, Ray AS, Stuart BH, Thomas, PS (2005). Thermal Analysis of Heritage Stones. *Journal of Thermal Analysis and Calorimetry; 80: 3, 559 – 563. (DOI: 10.1007/s10973-005-0694-6)*

Friolo KH (2004). Development of polymer Clay nanocomposites as stone consolidants for Sydney's Heritage Buildings. *Materials Australia; 37: 4, 12 – 14.*

Friolo KH, Stuart BH, Ray AS (2003). Characterization of weathering of Sydney sandstones in heritage buildings. *Journal of Cultural Heritage*, 4: 3, 211 – 220.
(10.1016/S1296-2074(03)00047-5)

會議論文：

Ip KH (2015). Sustaining traditional practice and utilizing local materials in heritage conservation. Australian ICOMOS – Fabric Conference, 5-8 November 2015, Adelaide Australia.

Ip, K.H. (2005), "Chemical Analysis of Cementing Clays in Sydney's Heritage Sandstone Buildings", The 5th Australian Industrial Minerals Conference, Sydney, Australia, Australian Institute of Geoscientists, Sydney.

Ip KH, Ray AS, Stuart BH, Thomas PS (2005). Investigation of the degradation of sandstones in Sydney's heritage buildings. The IV International Seminar on Structural Analysis of Historical Constructions, 10 – 13 November, Padova, Italy; 1: 239 – 244.
(Corpus ID: 127901915)

Friolo KH, Thomas PS, Ray AS, Stuart BH (2004). Thermal analysis of yellow-block sandstones in Sydney's Heritage Buildings. 13th International Congress on Thermal Analysis and Calorimetry (ICTAC 13), 12 – 19 September, Chia Laguna, Sardinia, Italy; P1 – 136.

Friolo KH, Ray AS, Stuart BH, Thomas PS (2004). Degradation of historic sandstone buildings of Sydney. 7th Australasian Masonry Conference, 13 – 16 July, Newcastle, Australia; 420 – 427.

Friolo KH, Stuart BH, Ray AS (2001). A study of the weathering of Sydney sandstone using FTIR spectroscopy. 4th Australian Conference on Vibrational Spectroscopy, Brisbane.

研究項目

2002 - 2007	PhD Thesis – Investigation into clay-based consolidants for Conservation of “Yellow Block Sandstones” in Sydney’s Heritage Buildings – Supported by the Australian Postgraduate Award
2017 - 2019	Conservation of Masonry – Chemical Consolidation – Supported by the Department of Planning, Transport and Infrastructure (DPTI), Adelaide, South Australia

學術機構及社會任職

2017 – 2020	文物建築科研人員 / Stone Initiatives Testing Group, SA Australia
2011 – 2017	文物建築修復師 / 澳門特別行政區文化局
2006 – 2011	文物修復師 / 澳門藝術博物館
1998 – 1999	實驗室技術員 / 微量元素分析中心 / 澳大利亞聯邦科學與工業研究組織

專業資格認證及獎項

Member of the Royal Australian Chemical Institute Inc.

Robert K. Murphy Research Prize – most original research project (2002)

Schering Plough Prize – The best project seminar in an advanced chemistry project (2002)