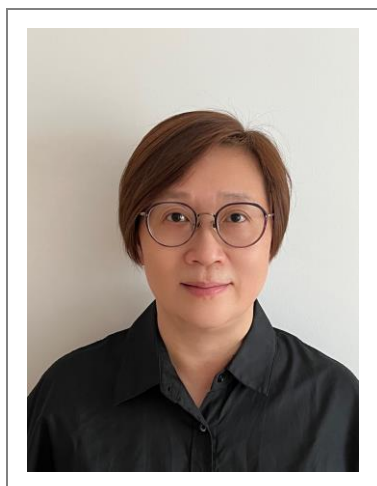


Kin Hong Ip



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Teaching and Research Areas:

Heritage Conservation and Restoration, Traditional Building Materials and Techniques, Material Characterization and Compatibility, Innovative restoration material design, Urban Environmental Impacts on Architectural Heritage

Academic Qualifications

2002 - 2007 PhD in / Conservation of Architectural Heritage / University of Technology, Sydney (Australian Postgraduate Award Recipient)
2001 - 2002 Bachelor of Science (First Class Honours) Applied Chemistry / Chemistry and Material Science / University of Technology, Sydney (University Medalist)
1997 - 2001 Bachelor of Science in Applied Chemistry / Chemistry and Material Science / University of Technology, Sydney

Teaching Experience

2020 - Present Assistant Professor / Faculty of Humanities and Arts / Macau University of Science and Technology
Director / Heritage Conservation Laboratory / Faculty of Humanities and Arts / Macau University of Science and Technology
2002 - 2005 Lecturer / Department of Chemistry, Materials and Forensic Science / University of Technology, Sydney
2001 - 2005 Laboratory Instructor / Department of Chemistry, Materials and Forensic Science / University of Technology, Sydney

Representative Publications

Journal Articles:

Ip KH (2015). Conservation of Macau Cultural Heritage Using Traditional Materials. Review of Culture - Chinese Edition, Institute of Culture, Macau; 95: 129 – 140.

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 poly(9vinyl 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)

Conference Proceedings:

葉健雄, 翟振宏 (2023) “傳統夯土技術初探—以港、澳、珠三地夯土民居為例”, 同一屋簷下: 嶺南傳統建築源流與藝術研討會, 中華人民共和國香港特別行政區政府發展局, 13-12-2023.

葉健雄 (2023). “澳門歷史建築修復現狀 - 以夯土修復為例”, 繡花功夫, 賡續文脈 - 廣州市歷史文化保護傳承研討會, 廣州市文物管理和歷史文化名城保護委員會主辦, 26-10-2023

Ip KH (2022). Traditional Methods for a Sustainable Future – The New Approach in Conservation Education, The Greater Bay Area Built Heritage Summit, 09-11 November, Hong Kong.

Ip KH (2022). “Development of Climate Awareness and Strategies for the Historic Urban Centre of Macau” in Global Research and Action Agenda on Culture, Heritage, and Climate Change – Scientific Outcome of the International Co-Sponsored Meeting on Culture, Heritage, and Climate Change, Page 47-48, ICOMOS.

Ip KH (2021). Evaluation of the Roles of Heritage Buildings as the Sustainable Future of Architecture in Macau (poster) – Theme: Impacts and Solutions, International Co-Sponsored Meeting on Culture, Heritage and Climate Change (UNESCO-IPCC-ICOMOS), 06-10 December 2021, Online Meeting.

Ip KH, Liu X. (2021). Chunambo: A Diminishing Ancient Wisdom of Macau, ICOMOS Earthen and Wood Vernacular Heritage and Climate Change Conference, 28-30 August 2021, Kulturen i Lund.

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

Selected Heritage Architecture Conservation Projects

- 為爹美刁施拿地大馬路及路氹城大馬路銀河第四期地盤內出土古炮提供金相檢測和微觀分析服務 (2023)
- 嶺南傳統建築裝飾中的嵌瓷工藝更新研究 (澳門科學技術發展基金 - 研究人員) (2022)
- 澳門大炮台陳列室勘察、材料檢測及修復項目 - 科大建築學學生培養實習計劃 (2021-2023)
- 舊城牆遺址灰塑及夯土牆修復工作 (2017)
- 草堆街 80 號立面及室內修復工程 (2016)
- 魯班先師木工藝陳列館修復工程 (2015)
- 盧家大屋灰磚牆體及鐵窗花修復工作 (2015)
- 大三巴舊城牆及牌坊後夯土牆的修復顧問服務 (2022)
- 為爹美刁施拿地大馬路及路氹城大馬路銀河第四期地盤內出土古炮提供修復顧問服務 (2021)
- Conservation Treatment Services of Bronze Sculptures at The Ruins of St. Paul's (1st Stage) - St. Aloysius Gonzaga and St. Francis Xavier (2017)
- 大三巴遺址、西望洋夯土牆修復 (2013-2016)
- 聖玫瑰堂立面及內部牆體修繕工程 (201-2016)
- 鄭家大屋灰塑修復工作 (2015)
- 鄭家大屋灰塑修復工作 (2014)

Research Grants/Projects

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
2021 - 2023	Academic Research Grant, Macau Cultural Fund - Macau’s Traditional Chunambo Construction – Investigation into its Building Techniques, Compositions and Conservation Strategies

Previous Employment

2017 – 2020	Heritage Architecture Research Consultant / Stone Initiatives Testing Group, SA Australia
2011 – 2017	Heritage Architecture Conservator / Institute of Culture, Macau
2006 – 2011	Heritage Artefacts Conservator / Macau Art Museum
1998 – 1999	Laboratory Technician / Trace Element Analysis Centre / CSIRO Australia

Professional Qualifications

Task Force Member	Talent Recruitment Programmes of Culture, Sports and Other Industries
Area Representative	International Co-Sponsored Meeting on Culture, Heritage, and Climate Change (UNESCO, ICOMOS and IPCC)
Member	ICOMOS China
Member	International Association for Preservation Technology
Member	The Royal Australian Chemical Institute Inc