

Curriculum Vitae



Dr Sheila Maria Arcuino Conejos

Head, Facilities Management with Minor Programme, Facilities & Event Management Programme, Graduate Diploma in Facilities Management Programme & Master of Built Environment Programme
School of Science & Technology

Tel : +65 6248 6106

Education Qualifications

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| 2013 | PhD (Sustainable Development and Architecture) Bond University, Australia |
| 1997 | MSc (Urban Development Planning and Environmental Management) Asian Institute of Technology, Thailand |
| 1991 | BSc (Architecture) University of San Carlos, Cebu City, Philippines |

International Certificate and Professional License and Certifications:

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| 2021 | Facility Management Professional (FMP), International Facility Management Association |
| 2019 | Glenn Murcutt Master Class in Architecture, OZ.E.TECTURE, Sydney, Australia |
| 2003 | Environment and Sustainable Development, United Nations University, Tokyo, Japan |
| 1993 | Registered License Architect, Philippines Regulatory Commission |

Academic and Professional Experience

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| 2020 - Present | Head of Programme and Senior Lecturer, School of Science and Technology, Singapore University of Social Sciences |
| 2015 - 2020 | Research Fellow, Centre for Integrated Building Energy and Sustainability in the Tropics (CiBEST), Department of Building, School of Design and Environment, National University of Singapore |
| 2013 - 2015 | Research Associate/Post-Doctoral Fellow, Department of Building and Real Estate, Hong Kong Polytechnic University, Hong Kong |
| 2002 - 2008 | President and Founding Principal Architect/Urban Planner/Consultant, Conejos Designs and Development Incorporated, Cebu City, Philippines |
| 1999 - 2000 | Assistant Professor 2, School of Urban and Regional Planning, University of the Philippines - Diliman, Quezon City, Philippines |

1998 - 2002	Senior Architect and Urban Development/ Regional Planner, ASEnriquez Engineering Consultancy, Cebu City, Philippines
1997 - 1998	Research Associate/ Research Fellow: REDP-B Project of the Govt. of Japan, Asian Institute of Technology, Thailand
1993 - 1995	Property and Building Management Team for Ayala Center Cebu, Cebu Holdings Incorporated (1994-1995) and Architectural Drafter and Technical Specifications Writer for the Cebu Business Park Master Plan (1993-1994), Makati Development Corporation, Cebu City, Philippines

Membership and Professional Activities

2021 - Present	Member, National Institute of Building Sciences (USA)
2020 - Present	Member, Australian Institute of Architects (International Chapter)
2020 - Present	Member, International Society of Sustainability Professionals
2020 - Present	Member, International Facility Management Association - Singapore
2019 - Present	Associate, Institute of Engineers Singapore
2019 - Present	Commission Member on Building Pathology, International Council for Research and Innovation in Building and Construction (CIB)
2019 - Present	Commission Member on Smart and Sustainable Built Environments, International Council for Research and Innovation in Building and Construction (CIB)
2018 - Present	International Commission on Monuments and Sites (ICOMOS) - Singapore
2018 - 2020	Singapore Institute of Building Ltd.
2018 - 2019	Prefabaus Ltd., Australia
2015 - 2018	Member, American Planning Association
2015 - 2016	International Associate, American Institute of Architects
2013 - Present	International Society of City and Regional Planners (ISOCARP)
2005 - Present	Southeast Asia Urban Environmental Management Network
2003 - Present	Asian Academy of Heritage Management
1998 - Present	Forum UNESCO- University and Heritage
1993 - Present	United Architects of the Philippines – Singapore Chapter (Secretary: 2019-2019 and Director for Committee on Research and Academic Institutions: 2019-2020); United Architects of the Philippines- Sugbu Chapter (Past President: 2000-2001)

Consultation and Executive Experience

2021 - 2022	Guest Editor for Special Issue of Sustainability journal on 'The Impact of Climate Change to Facades of Tall Buildings'
2021 - 2022	Co-Chair for the Technical Working Group for Green Architecture for the Career Progression and Specialization Program and Credit Accumulation and Transfer System (CPSP-CATS) Committee, Professional Regulation Commission, Philippines
2021	Jury for the Australian Institute of Architects International Chapter Award 2021
2021 onwards	SUSS Virtual Lab Infrastructure Project Committee Member
2020 onwards	PhD supervisor, SUSS Graduate Studies

2020	School of Science and Technology Dissertation Examination Committee (DEC) member (Internal Examiner)
2020	Invited Speaker on the Design for Maintainability of High-Rise Vertical Greenery Systems in the Tropics, for SUSS and Royal Institution of Chartered Surveyors (RICS) collaboration
2019 - 2020	Sustainable Building Consultant, Youth Centre, Archdiocese of Honiara, Solomon Islands, South Pacific, Oceania
2019 - 2020	Scientific Committee Member and Session Chair for the Asset and Maintenance Management session, 15th International Conference on Durability of Building Materials and Components (XV DBMC), Spain
2018 - 2020	Research Advisor, Nan Yang Academy of Sciences Singapore
2018 - 2020	Advisory Panel, Green In Future, Singapore
2017 - Present	Invited Resource Speaker, United Architects of the Philippines in Singapore and Philippines
2014 - 2020	Research Collaborator for the research project of Dr. Brandon Ross from the Glenn Department of Civil Engineering, Clemson University, USA. The project is entitled "A 'Learning Buildings' Framework: Quantifying the Adaptability of Building Structures and Envelopes".
2011 - Present	Peer Reviewer for more than 10 international journals such as Automation in Construction, Building Research and Information, Sustainability Cities and Society, Facilities, Habitat International, International Journal of Pathology and Adaptation, Structural Survey, Buildings, Sustainability.
1998 - 2002	Heritage Conservation and Urban Planning Consultant, Invited Speaker and Expert Reactor/Panelist to various non-profit, private and government sectors in the Philippines.

Research Interests

- Climate change adaptation and urban resilience
- Healthy, Inclusive and Vibrant Neighborhoods
- Urban Regeneration, Adaptive Reuse and Greening of Heritage Buildings
- Circular Economy in the Built Environment (Sustainable, Adaptable, Maintainable and Circular Buildings)
- Forensic Architecture and the Maintainability of Green Building Technologies
- Design for Excellence (includes Design for Maintainability; Design for Adaptability and Reuse; Design for Disassembly)
- Green stewardship for climate change adaptation and urban resilience

Selected Publications

Dr. Sheila Conejos has published a number of international referred journals related to building and urban sustainability with 764 citations; h-index = 16 and i-index = 18 as of January 2022 (Google Scholar).

Books and Book Chapters:

- Chew, M.Y.L., Asmone, A. and Conejos, S. (2018) "Design for Maintainability: Benchmarks for Quality Buildings" (World Scientific, 2018).
- Chan, E.H.W., Conejos, S. & Wang, M. (2017), Low Carbon Urban Design: Potentials and Opportunities, in Creating Low Carbon Cities (Dhakal, S. and Ruth, M. Eds.), Springer, Switzerland, pp.75-88.
- Conejos, S.M. and Kammeier, H.D. (1998), "A Strategic Plan Framework for the Urban Conservation of the Downtown Area of Cebu City, Philippines", Bangkok: HSD Research Report No. 41, Asian Institute of Technology, Thailand (ISBN:974825,9789748256993).

Peer Reviewed Journal Papers:

- Conejos, S., Chew, M.Y.L., Tay, K., Tay, S., Safiena, S. (2021) "Green Maintainability Assessment of Building Integrated Photovoltaic (BIPV) Applications: Lessons Learnt", International Journal of Building Pathology and Adaptation. DOI (10.1108/IJBPA-04-2019-0038).
- Conejos, S., Ubando, A. and Chew, M. Y. L. (2021), Design for maintainability tool for nano-façade coating applications on high-rise facades in the tropics, Built Environment Project and Asset Management, DOI 10.1108/BEPAM-04-2020-0078.
- Peh, L. L. C., Cerimagic, S. and Conejos, S. (2021) "Challenges of running online exams and preventing academic dishonesty during the Covid-19 pandemic", Journal of Learning Development in Higher Education, (22). doi: 10.47408/jldhe.vi22.830.
- Law, L., Azzali, S. and Conejos, S. (2020), Planning the temporary: Temporary Urbanism and public space in a time of COVID-19, Town Planning Review.
- Conejos, S.*, Chew, M. Y. L., and Azril, F. H. (2019), Green maintainability assessment of high-rise vertical greenery systems, Facilities, Vol. 37 (13/14), pp. 1008-1047.
- Asmone,A., Conejos, S. and Chew, M.Y.L. (2019) Green maintainability performance indicators for highly sustainable and maintainable buildings, Building and Environment, (<https://doi.org/10.1016/J.BUILDENV.2019.106315>)
- Chew, M. Y. L., Conejos, S.*, and Azril, F. H. (2019), Design-for-Maintainability (DfM) of High-Rise Vertical Greenery Facades, Building Research and Information, Vol. 47 (4), pp. 453-467. DOI: 10.1080/09613218.2018.1440716.
- Chew, M. Y. L., Conejos, S.* and Law, J. (2017), Green Maintainability Design Criteria for Nanostructured Titanium Dioxide (TiO₂) Façade Coatings, International Journal for Building Pathology and Adaptation, Vol. 5 (2), pp. 139-158. (Emerald 2018 Literati Award for Highly Commended Paper).
- Chew, M. Y. L., Conejos, S.* and Asmone, A. (2017), "Developing a Research Framework for the Green Maintainability of Buildings", Facilities, Volume 35, Issue: 1/2, pp.39-63.
- Conejos, S.*, Chew, M. Y. L. and Yung, E.H.K. (2017), Future Adaptivity of 19th Century Heritage Buildings, International Journal for Building Pathology and Adaptation, Vol. 35 (2), pp. 332-347.
- Chew, M. Y. L. and Conejos, S.* (2016), "Developing a Green Maintainability Framework for Green Walls in Singapore", Structural Survey, Volume 34, Vol. 34 Issue: 4/5, pp.379-406.
- Conejos, S.*, Langston, C., Chan, E.H.W. & Chew, M. Y. L. (2016), Governance of heritage buildings: Australian regulatory barriers to adaptive reuse, Building Research & Information, Volume 44, Issue 5-6, pp. 507-519.

- Yung, E.H.K., Conejos, S. & Chan, E.H.W. (2016), "Public open spaces planning for the elderly: the case of dense urban renewal districts in Hong Kong", *Land Use Policy*, Vol. 59, pp. 1-11.
- Yung, E.H.K., Conejos, S. & Chan, E.H.W. (2016), "Social needs of the elderly and active aging in public open spaces in urban renewal", *Cities*, Volume 52, pp. 114–122.
- Mateo-Babiano, I., Tang, H., Conejos, S. & Chan, E.H.W. (2016), "Is an Active City a Healthier City for the Elderly? Examining Hong Kong's Active Transport Planning and Policy with Implications to Practice", *Journal of Transport & Health*, Volume 3, Issue 2.
- Ross, B.E., Chen, D.A., Conejos, S. & Khademi, A. (2016), "Enabling adaptable buildings: Results of a preliminary expert survey", *Procedia Engineering* 145, 420 – 427.
- Conejos, S.* , Langston, C. & Smith, J. (2015), Enhancing sustainability through designing for adaptive reuse from the outset: a comparison of adaptSTAR and ARP models, *Facilities* 33 (9/10), pp. 531-552.
- Conejos, S.* , Langston, C & Smith, J. (2014), Designing for better building adaptability: a comparison of adaptSTAR and ARP models, *Habitat International*, 41(1), 85-91.
- Conejos, S.* , Yung, E.H.K. & Chan, E.H.W. (2014), Urban Sustainability and adaptive reuse: A case study on the conservation of Hong Kong's CBD, *J. of Design Research* 12 (4), pp. 260-279.
- Conejos, S.* (2013), Optimisation of future building adaptive reuse design criteria for urban sustainability, *J. of Design Research*, Vol.11, No.3, pp.225 – 242.
- Conejos, S.* , Langston, C. & Smith, J. (2013), AdaptSTAR model: A climate-friendly strategy to promote built environment sustainability, *Habitat International*, 37(1), 95-103.
- Conejos, S.* , Langston, C., & Smith, J. (2012), Designing for future buildings: Adaptive reuse as a strategy for carbon neutral cities. *The International Journal of Climate Change: Impacts and Responses*, 3(2), 33-52.

Peer Reviewed Conference Papers:

- Conejos, S.* and Chew M.Y.L. (2020), Sustainability and maintainability of High Rise Vertical Greenery Systems (VGS): its lessons and assessment scoresheet, Paper presented in the XV edition of the International Conference on durability of Building Materials and Components (DBMC 2020), Barcelona, Spain.
- Conejos, S.* , Chew M.Y.L. and Lasternas, B. (2019), Green Maintainability and Future Adaptive Reuse of the Net Zero Energy Building (NZEB) in Singapore, Paper presented in the International Conference on Sustainable Built Environment (SBE19 SEOUL), Seoul, Korea.
- Conejos , S.* , Chew, M.Y.L. and Lasternas, B. (2019). Green Maintainability and Future Adaptive Reuse of the Net Zero Energy Building (NZEB) in Singapore presented at the International Conference on Sustainable Built Environment (SBE19 SEOUL), Seoul, South Korea.
- Conejos, S.* and Langston, C. (2010). Designing for future building adaptive reuse using adaptSTAR. Paper presented at the International Conference on Sustainable Urbanization: ICSU 2010, Hong Kong.
- Conejos, S.* , Langston, C. & Smith, J. (2011). Improving the implementation of adaptive reuse strategies for historic buildings. Paper presented at Le Vie dei Mercanti S.A.V.E. HERITAGE: Safeguard of Architectural, Visual, Environmental Heritage, Naples, Italy.

Conejos, S.M. (2002), "Urban Planning Process as an Instrument for Sustainable Urban Development and Management", 5th National Civil Engineering Education Congress Proceedings, Cebu City, Philippines, Nov. 6-8, 2002.

Conejos, S.M.* and Kammeier, H.D. (1998), "A Strategic Plan Framework for the Urban Conservation of Cebu City and the Five Municipalities in Cebu Province Philippines" 3rd International Forum UNESCO on University and Heritage Proceedings, Melbourne, Australia, October 3-9, 1998.

Conejos, S.M.* and Kammeier, H.D. (1998), "A Strategic Plan Framework for Urban Development with Conservation in the Downtown Area of Cebu City, Philippines", International Symposium on Heritage and Habitat Proceedings, Penang, Malaysia, April 6-8, 1998.

*Note: * Corresponding Author of the indicated publications*

Awards

- United Architects of the Philippines National Award for Outstanding Member (Foreign- Based) in 2020
- Emerald 2018 Literati Highly Commended Award
- Chartered Institute of Building (CIOB) Australasia Award of Excellence for Doctoral Research in 2013
- 2nd Place Winner for the 3 Minute Thesis (3MT) Competition at Bond University in 2010.
- Australia's International Postgraduate Research Scholarship Grant, September 2009 - 2012.
- United Nations University Fellowship Grant, May to June 2003.
- Royal Netherlands Government HRID Scholarship Grant, January 1996 to August 1997.

Research Grants and Projects

- Research Fellowship Projects: 'Maintainability of Green Building Technologies'; 'Design for Maintainability guidelines'; and 'Facade inspection using drones and AI', CiBEST, National University of Singapore, April 2015 to February 2020
- Postdoctoral Fellowship Grant for the "Evaluating Public Open Spaces in High Density for Low Carbon Cities: A Case of Hong Kong", FCE Postdoctoral Fellowship Scheme, Hong Kong Polytechnic University, Nov. 2014 - March 2015.
- Co-Investigator for "A Framework for Stakeholder Engagement to formulate the Proposed Green Deck Project at Cross Harbour Tunnel in Hong Kong." University Internal Research Grant, Hong Kong Polytechnic University, Nov. 2013 - June 2014.
- Principal Investigator for the "Selection of Historic Sites for Urban Conservation in Cebu Province, Philippines", Japan Government REDP-B Research Grant (Principal Investigator), Asian Institute of Technology, Thailand, 1998.
- Team Leader/ Co-Principal Investigator for the "Redesigning of Attractive City Center: Socio-physical Barrier-free Environment and Welfare at the City Center", the City Center; Asian Pacific Center Planning Workshop Research Grant to Fukuoka, Japan, 1997.

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