



## Dr Rosemary Kennedy LFRAIA

### SubTropical Cities Consultancy

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## Profile

I am an internationally recognised expert in place-based climate-responsive architecture and urban design, with particular expertise in the social, economic and environmental impacts of inner urban high density living, particularly high-rise apartment dwellings, planning for sea level rise, informal settlements, post disaster reconstruction, life-long living environments and reengineering the construction delivery process.

My activities are characterised by diversity and 'reach' across diverse disciplines, and impact in contributing relevant solutions to global issues through research with a local perspective. I lead transdisciplinary collaborations with practical outcomes for government and industry and am involved in numerous design advisory roles.

I have written over 80 articles, books and book chapters and influential urban design and architecture guidelines, including *Subtropical Design in South East Queensland, a Handbook for Planners, Developers and Decision Makers* (BCC, Qld Govt, and QUT, 2010). See [http://eprints.qut.edu.au/view/person/Kennedy,\\_Rosemary.html](http://eprints.qut.edu.au/view/person/Kennedy,_Rosemary.html).

## Qualifications

- Registered Architect, Queensland Australia
- Doctor of Philosophy, Queensland University of Technology
- Graduate Certificate Environmental Management, The University of Queensland
- Bachelor of Architecture (Honours) The University of Queensland
- Bachelor of Design Studies, The University Of Queensland.

## Professional Roles

- Architecture and urban design research and development consultant, SubTropical Cities 2017 - current
- Partner Director, Mulder + Kennedy Architects 1993 - current
- Adjunct Associate Professor Institute for Future Environments QUT 2017 - 2020
- Associate Professor, Deputy Director of DesignLab and Research Leader School of Design, Creative Industries Faculty, QUT 2011-2016
- Director, BCC | QUT | Qld Govt Collaborative Centre for Subtropical Design at QUT 2005 - 2011
- Coordinator, Centre for Subtropical Design at QUT 2004
- Research Fellow School of Construction Management and Property QUT 2000 – 2003
- Research Fellow UQ Department of Architecture 1993-1997
- Design Architect Cameron Chisholm and Nicol 1992-1993
- Practice Manager Vernon Gibberd Architects London 1991-1992
- Graduate Architect Gavin Patterson Architects Hervey Bay 1989 - 1991

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## Professional Affiliations

- Life Fellow Australian Institute of Architects (AIA) Appointed Nov 2022
- Fellow Australian Institute of Architects (AIA) 2017 - 2022
- AIA Chapter Councillor Queensland elected 2017- 2018 and 2019 - 2020
- AIA Climate Action and Sustainability Committee member 2020- 2021
- Member of CIB, International Council for Research and Innovation in Building and Construction - Working Group116 Smart and Sustainable Built Environment
- Member of the Council for Tall Buildings and Urban Habitat (US)
- Member QUT Institute for Future Environments
- Fellow QUT Centre for Emergency and Disaster Management
- Member, International Network of Tropical Architecture (INTA), National University of Singapore
- Member American Collegiate Schools of Architecture (ACSA) 2013 - 2016.

## Institutional and community appointments

- Chair, Gold Coast Open House Architecture Festival Inc 2022
- Adjunct Professor Faculty of Engineering, School of Architecture and Built Environment QUT 2021 - 2022
- Winston Churchill Memorial Trust Queensland Selection Committee 2017 - 2022
- Adjunct Associate Professor Institute for Future Environments QUT 2017 - 2020
- QUT School of Design Research Leader and School of Design Management Committee 2015-2016
- Faculty Research and Innovation Committee Creative Industries Faculty QUT 2015-2106
- University Academic Board QUT 2013 - 2015
- Faculty Academic Board Creative Industries Faculty QUT 2012-2014
- Faculty Appeals Committee Built Environment and Engineering Faculty QUT 2010-2011
- International Society of Indoor Air Quality and Climate (ISIAQ) *Healthy Buildings 2012* Australian Organising Committee 2011-2012

## Government expert advisor appointments

- Independent Design Advisory Panel, Brisbane City Council, 2006 - 2024
- Independent external reviewer for Guidelines for Medium Density Infill Housing in SEQ project, SEQ Council of Mayors, 2010
- Green Door Advisory Committee, Queensland Government Dept Infrastructure and Planning 2010-2012
- Tropical Design Forum Invited Participant, Minister for Public Works, Queensland Building Codes Board, Cairns 2010
- Nominated participant Queensland Premier's Growth Management Summit, State Library of Qld 2010
- Torrid Zone Symposium: At Home in the Torrid Zone: Design in the Tropical World Invited participant Queensland Chief Scientist and James Cook University Cairns 2010
- Expert Tropical/Sub Tropical spokesperson for 'HEAT Queensland's new wave of environmental architects' Program, Queensland Department of Tourism Regional Development and Industry 2010

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- Juror, National Design Ideas Competition for the Masterplan of the Civic and Cultural Precinct at Evandale, Gold Coast City Council, 2009
  - Independent external reviewer for Surfers Paradise Foreshore Redevelopment Master Plan, Gold Coast City Council. 2009.
  - Independent external reviewer for Architectural and Urban Design Assessment and Criteria for environmental sustainability Hamilton Northshore, Port of Brisbane Northshore Development Group, 2008.
  - Ministerial Taskforce for Queensland International Centre for Sustainable Design, by Minister for Education Training and the Arts, 2007
  - Strategic Planning Committee Member International RiverSymposium 2006-2008
  - Invited independent external reviewer for South Bank Corporation Draft Environmentally Sustainable Development Policy and Implementation Strategy, 2006.

## Design quality review - peer appointments

- Australian Institute of Architects Queensland Eminent Juror Multi-residential Category 2019
- Australian Institute of Architects Queensland Jury Environmental Design Expert 2012 and 2006
- Australian Institute of Landscape Architects State Juror in the National Awards Program 2011
- Australian Institute of Architects National Awards Program Queensland Jury Chair (Qld) 2008
- Australian Institute of Architects National Awards Program Queensland Jury Deputy Chair (Qld) 2007
- Forest and Wood Products Australia National Timber Design Awards Jury Member 2006.

## My design awards

- Inaugural Winner, Dunbar Fellowship, AIA, 2017 *Next generation apartment buildings.*
- Regional Commendation, 2009 Queensland Architecture Awards for *The Subtropical Row House.*
- Finalist, Sustainability in Urban Development and the Built Environment Category Queensland Government Sustainable Industries Awards 2006.
- Regional Commendation, 2005 Queensland Architecture Awards for *Oxley Creek Environment Centre.*
- Regional Commendation, 1999 and High Commendation for Civic Design 1999 Queensland Architecture Awards for *Shade Structures at Kidspace, Chermside.*
- Honourable Mention, *National Competition for Better Forms of Medium Density Housing*, East Perth Redevelopment Corporation, 1992.

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## Selected projects

I have led over 30 government or industry-funded research projects as Principal Investigator and have been a named Chief Investigator on two Australian Research Council Linkage projects dealing with major urban sustainability strategies: transit oriented development and high density urban consolidation.

### Design Guidelines Projects

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<i>Warm Temperate Climate Study and Design Guidelines</i> for Toowoomba Regional Council, with QUT and University of Southern Queensland	2021-2022
<i>Subtropical Sustainable Building Design Guidelines</i> for Sunshine Coast Council (unpublished) Project involving a local government body and several groups within, plus multiple industry stakeholders and sub-consultants.	2019-2020
<i>Promoting Sun Safe Outdoor Environments in Queensland; Review of Principles, Types, Materials and 'Tools' for designing shade as an effective barrier to UVR</i> for Queensland Health, Healthy Living Branch, with QUT, QUT Faculty of Health and UQ	2011
<i>Subtropical Design in South East Queensland, a Handbook for Planners, Developers and Decision Makers.</i> Centre for Subtropical Design, QUT, BCC, Qld Govt.	2010
<i>Managing the Social, Environmental and Economic Impacts of High-Density Living within Inner-urban Sub-tropical Environment</i> , Australian Research Council Linkage Grant LP0668911 with QUT Institute for Sustainable Living team including Sociologist, Property Economist, Environmental Economist, the former Urban Land Development Authority and Port of Brisbane Northshore Development Group.	2006-2009
<i>Planning Sun-Safe Outdoor Environments in Queensland.</i> Environmental Design Guidelines for shade protection against ultraviolet radiation in three settings: outdoor sporting venues, public swimming pools, and early childhood education. Queensland Health, Queensland Department of Tourism, Sport and Youth, and Department of Architecture University of Queensland.	1995-1997

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### Trans-disciplinary Design Intensive Workshops

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<i>Longevity by Design 2022 Designing pandemic-proof residential aged care that feels like home</i> with The University of Queensland Healthy Ageing Initiative and DMA Engineers	2021-2022
<i>Longevity by Design 2020 An industry-wide charrette to rethink the future of senior living design</i> with The University of Queensland Healthy Ageing Initiative, DMA Engineers and Redland City Council. Winner of the 2020 Inside Ageing Future of Ageing Awards Research Category.	2019-2020
<i>Resilient redesign for Rockhampton's city centre; urban strategies for adapting to and mitigating flooding.</i> Centre for Emergency and Disaster Management QUT, and Rockhampton City Council	2014
<i>Slum-Free India Charrette</i> Four QUT Schools, Design, Public Health, Planning and Engineering Systems, with IIT Roorkee and the International Council for Research and Innovation in Building and Construction	2010

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<i>Climate-Responsive Residential Tower Typologies for Subtropical Urban Communities – An Investigation By Design Charrette.</i>	2010
Four transdisciplinary creative teams led-by BVN Architects, DBI Architects, Cottee Parker Architects, COX Rayner Architects, with Vivas Lend Lease and Australian Council of Tall Buildings and Urban Habitat (ACTBUH), RNA, QLD Urban Land Development Authority Bowen Hills UDA, J O'Neill Architects and WOHA Singapore	
<i>A Subtropical Urban Community: investigating medium to high density residential typologies by Design Charrette;</i> Qld Department of Infrastructure and Planning, and the Urban Land Development Authority with our transdisciplinary creative teams led-by Deicke Richards Architects, BVN Architects, Richard Kirk Architects, Gall and Medek Architects.	2009
<i>The Subtropical Row House: investigation by Design Charrette.</i>	2008
Delfin Lend Lease, Deicke Richards Architects, PUSH Architects, Fairweather Proberts Architects, EWB Architects, Ipswich City Council, Green Building Council of Australia, Brisbane City Council.	
<b>Urban projects</b>	
<i>Sustainable Subtropical Design – Critical review of multi-storey residential and mixed-use buildings 5-30 storeys in inner Brisbane,</i> Brisbane City Council, City Planning and Economic Development. R Kennedy	2015-2017
<i>Public Realm and Transport; International best practice case studies and opportunities for Brisbane;</i> with Lat 27 for Brisbane City Council. R Kennedy & E Miller	2012
<i>Optimisation of indoor air quality, thermal comfort and energy usage within buildings located in busy transit oriented urban developments.</i> Australian Research Council Linkage Grant LP0776542 with Qld Dept of Public Works Built Environment Research Unit, and QUT Centre for Air Quality.	2007-2010
<b>International knowledge transfer and engagement projects</b>	
Member of the international scientific committee for <i>Urban Tropicality</i> 7th International Network of Tropical Architecture Conference (iNTA). UQ Brisbane Australia 5 - 8 December.	2019
<i>Tropical design guidelines for public spaces in the Greater Kuala Lumpur Metropolitan Region</i> Mentored Urban Design and Social academics research team at Universiti Putra Malaysia.	2014 - 2016
Member of the international scientific committee for <i>CIB World Congress of Building</i> 2016 Tampere Finland, and <i>CIB World Congress of Building</i> 2013 Brisbane	2013 - 2016
Member of the Australian Organising Committee of <i>Healthy Buildings 2012</i> , the official conference of the International Society of Indoor Air Quality and Climate, BCEC Brisbane June 2012.	2012
Partnered with National University of Singapore (NUS) and the University of Florida (UF) Gainesville, to deliver a special remote tele-conference session of iNTA's <i>Tropics 2050</i> conference from QUT Brisbane..	2012

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Founder and co-chair of interdisciplinary *Subtropical Cities* conference series on ecologically sustainable urbanism in the age of climate change. 2006 - 2013

- *Subtropical Cities 2013: Design Interventions for Changing Climates* in association with the American Collegiate Schools of Architecture (ACSA), and Florida Atlantic University (FAU Fort Lauderdale).
  - *Subtropical Cities 2011: Beyond Climate Change* Florida Atlantic University, Fort Lauderdale.
  - *Subtropical Cities 2008: From fault lines to sight lines* (State Library of Qld, Brisbane)
  - *Subtropical Cities 2006: Achieving ecologically sustainable urbanism in a subtropical built environment* (QUT, Brisbane)
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## Selected public lectures

- AIA Dunbar Lecture Brisbane 2019
- GBCA Green Building Day Brisbane 2019
- CIB World Sustainable Built Environment Conference Hong Kong 2017
- Council of Tall Buildings and Urban Habitat Conference New York 2015 | Sydney 2017
- Florida Centre for Environmental Studies Sea Level Rise Summit, 2013
- Florida Atlantic University Centre for Social Inquiry Fort Lauderdale, 2011
- CIB Smart and Sustainable Built Environments Conference, Sao Paolo 2012
- International Making Cities Liveable Conference, Portland, Oregon 2012
- Flying Arts Queensland, 40th Anniversary Lecture State Library of Queensland 2011
- Florida Atlantic University School of Architecture Lecture Series, Fort Lauderdale Art Museum, 2010
- CIB Sustainable Building South-East Asia Conference, Kuala Lumpur, 2007.

## Stakeholder presentations

As well as presenting my research findings at international conferences I have made many presentations as invited speaker to:

- The CEOs and executive leadership groups of major urban development corporations, for example, Springfield Land Corporation and Mirvac;
- Key government bodies: Ipswich City Council, Brisbane City Council Planning Forum, Sunshine Coast Regional Council, Gold Coast City Council and the Qld Urban Land Development Authority.
- Stakeholders in major development projects with Urbis / BCC Chermiside Centre Vision stakeholder workshops; Architectus/Gold Coast City Council/Tweed Shire Council 'think tank' Designing SEQ in the age of climate change.
- Peak industry professional groups: Engineers Australia, Urban Design Alliance (UDAL), Australian Green Development Forum, Planning Institute of Australia, Brisbane Development Association, Property Council of Australia Sustainability Committee, National Urban Design Forum, Australian Institute of Landscape Architects, Australian Institute of Architects, Urban Development Institute of Australia (Qld).

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- Our Future Your Say Public Forum hosted by Griffith University Urban Research Program, Channel Nine and the Courier Mail.
  - The Australia Malaysia Business Council Queensland, and the Minister of Housing Sarawak Malaysia and entourage of 60 senior state government officials and leading members of the Malaysian housing development industry (Sarawak Housing Developers Association members).
  - Shanghai Gardens Group (a major Chinese state-owned company responsible for many architectural and landscape projects across China and internationally, including the Shanghai Expo site redevelopment). The executives were engaged in the annual Queensland Business Executive Training Program under the auspices of the Queensland-Shanghai Sister State relationship and MoU.
  - Visiting delegation of 25 mayors and urban planning officials from Henan Province China to QUT.

## Community engagement and outreach activities

- **Gold Coast Open House Festival of Architecture.** As a newcomer to the Gold Coast, I was delighted to be approached by the organising committee to join not-for-profit Gold Coast Open House Architecture Festival Inc as Chair in 2022. The festival is an opportunity that enables people of all walks of life, whether local residents or visitors, to connect with this place, through the lens of good design in one of Australia's largest and most dynamic cities. See [www.goldcoastopenhouse.com.au](http://www.goldcoastopenhouse.com.au) and search app stores for goldcoastopenhouse.
- **The Subtropical Design Ambassador program.** The Centre for Subtropical Design partnered with ethical banker mecu (now Bank Australia) from 2006 - 2009 to sponsor an annual travel bursary for exemplary Queensland designers to conduct international study tours to gather design exemplars and develop strategies for applying new knowledge in Australia. Major outcomes of this program were over 15 invited public lectures by the four esteemed bursary winners; four illustrated reports; two social media blogs and multiple media citations.
- **Artist-in-residence program.** Artist/photographer Olivia Martin-McGuire was pivotal in uncovering the 'essence' of subtropical living valued by Brisbane people. I curated a photographic exhibition, *Subtropical Brisbane through the lens: Olivia Martin-McGuire* at Museum of Brisbane, City Hall, 15 July – 29 August 2004; Noosa Regional Gallery, January – March 2005; QUT Art Museum September 2006. Key images generated by the artist were adopted in key Council and State Government planning policy documents.
- The **Shooting the Breeze public forum** attracted 120 people to hear eminent speakers, including internationally respected scientist and environmentalist, Professor Emeritus Ian Lowe discussing compact urbanisation and design.
- The **Subtropical Cities Student Ideas Competition.** Finalists' and the winner's designs were displayed in the exhibition I purpose-designed for a series of outdoor 'neighbourhood planning fairs' held across Brisbane over five consecutive weekends June to July 2005 which attracted 35,000 people. Students also participated in the fairs by engaging with visitors and interpreting the designs, and in round-table

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focus groups, and at the Queensland Ideas festival. Exemplary student design projects such as 'How High is Too High?' received extensive media coverage.

- I authored, designed and produced, a take-away postcard, [10 simple steps for creating a subtropical home](#) and distributed 11,000 copies directly to the general public at these events. (This artefact featured images by the Artist-in-Residence).
- Two industry/academia [Long Lunch in the Subtropics events](#) in conjunction with National Architecture Week. I also partnered with the Dept of Primary Industries research centre in Cairns to source tropical fruits directly from North Queensland's sustainable fruit growers to form the edible centre pieces of three long dining tables at QUT's Gardens Theatre foyer.
- [Engaging the next generation](#). I have engaged teachers and secondary students interested in designing sustainable houses. I have worked closely with exhibition designers to install hands-on demonstrations of the projects New Queenslander, Living Walls, and Subtropical Design Principles in action on the QUT Innovation Trains which travelled throughout the State to engage school children in science and technology, in 2007 and 2008; I advised QPAC (Qld Performing Arts Centre) for the Sustainable City activity for Out of the Box Festival of Early Childhood 2008; and was a keynote at the Kid's Science Conference UQ 2007.