

# Curriculum Vitae: Deo Karan Prasad AO FAIA FTSE

Chief Executive Officer: Co-operative Research Centre for Low Carbon Living  
Tyree Energy Technology Building, UNSW (current)

## Scientia Professor

Program Director: Master of Built Environment (sustainable development)  
Faculty of the Built Environment  
The University of New South Wales  
Sydney AUSTRALIA (employed 1986-2014 ongoing)

Visiting Professor (2006-2015)

UNEP-Tongji Institute of Environment for Sustainable Development  
Tongji University  
Shanghai

Visiting Research Professor (2010)  
Faculty of Design and Environment  
National University of Singapore

Visiting Professor (2012)  
Universiti Kebangsaan Malaysia  
(The National University of Malaysia)

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## Qualifications:

- ❖ B.Arch (Auckland, NZ) - 1979
  - ❖ M.Arch (UNSW) - sustainable buildings - 1987
  - ❖ M.Sc (UNSW) – Project Management - 1988
  - ❖ PhD (UNSW) – Heat transfer in buildings - 1992
  - ❖ Fellow of the Royal Australian Institute of Architects (since 1991) – FAIA
  - ❖ Fellow of the Australian Academy of Technological Sciences and Engineering - FTSE
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## Summary

Professor Prasad is an international authority on sustainable buildings and cities and among the leading advocates for sustainability in Australia. Deo won the 2006 Royal Australian Institute of Architect's National Education Award for contribution to '*sustainability education, research and design*'. In 2004 he won the NSW State Government's individual GreenGlobe Award for '*showing leadership and commitment to the supply of renewable energy*'. He has also won the Federal Government's national award for '*outstanding contribution to energy related research*'. He is a regular contributor to debate in this area in local and international media. Deo is the Chief Investigator (lead proponent) and CEO of the newly established CRC for Low Carbon Living. This is the largest ever industry-government-professions-research collaboration in Australia and is leading to transformative impacts in the built environment sector. He also is one of the Sydney Ambassadors (Business Events NSW) with special focus on promoting Sydney as a destination for high end environmental-scientific events. In 2014 he was awarded the Outstanding Alumni Award for contribution in the field of sustainability by UNSW. In 2014 Deo has been awarded the Order of Australia by the Governor General of Australia for services to sustainability and renewable energy through his research and for extensive international community work.

## International:

Deo sits on numerous Boards and Advisory Committees in this field including the National Science and Engineering Research Council of Canada's Solar Buildings Research Network (Concordia Montreal – Board member and now Scientific Committee), United Nations Environment Program's 'UNEP Eco-Peace Leadership Centre' Board (Seoul), 'UNEP-Tongji Institute of Environment for Sustainable Development' (Shanghai), 'Beijing Energy and Environment Centre'

(part of Beijing City Government), 'UNEP (Asia Pacific) Special committee on sustainable cities' (Bangkok), 'International Solar Energy Society Board' (Freiburg, Germany), 'National Fenestration Rating Council USA' (expert) and BiPV expert panel on BCA Singapore Zero Energy Building. Deo chaired the Asia Pacific Global Civil Society Forum for four years. In this role he hosted the Asia Pacific meeting at UNSW, Sydney in 2008 on International Environmental Governance. Deo is a consultant to a number of cities in Asia Pacific on sustainability matters through his work for the special committee of UNEP. He recently convened a White Paper Series on sustainable cities (2009) for the UNEP and co-wrote the Green Universities Guide on Infrastructure Development (2012) for the Global Universities Partnership on Environment and Sustainability (GUPES/UNEP). Deo regularly contributes to the work of International Energy Agency (IEA) in this area as well. He led an IEA expert task on building integrated photovoltaics and co-wrote a commissioned IEA book on the subject (designing with Solar Power) in 2004. Since 2009 Deo has been on the Academic Advisory Board to the Council of the University Technology Petronas – a group of eight Professors from around the world under the Chairmanship of Tun Dr Mahatir Mohammed the current Chancellor of the university. UTP has a goal of reaching the top 200 research universities by 2020 with considerable funding from their sponsor Petronas.

### National:

In 2009 Deo was appointed an honorary ambassador for Sydney by the Business Events Sydney (NSW Government) to help in promoting Sydney as a high priority destination for scientific and other conferences and events. He has chaired major congresses such as the Solar World Congress (Adelaide 2001) and the Asia Pacific Solar Conference in Sydney (Sydney Darling Harbour 2008 and 2011). Deo has Chaired the Australia New Zealand Solar Energy Society and been a Australian board member of the International Solar Energy Society. He also has been the Federal Minister of Energy's appointment on the Board of Federal Government's Energy Research and Development Corporation, elected Board member of the Sustainable Energy Industries Council of Australia and chaired the Standards Australia committee on energy in buildings. Deo was the founding director of the NSW House Energy Rating Management Body (HMB) during which time it became a viable approach to sustainability assessment for buildings in Australia. It now has been transferred to industry to run as a leading body underpinning building environmental assessment in Australia (ABSA). During his time HMB helped create in excess of 220 small and medium businesses. Deo also came up with the vision for the now national Sustainable Living Competition for high schools in Australia. This is open to and engages all high school students in understanding and creating new paradigms for sustainable living in our communities. This project was a finalist for Eureka Awards, 2001. Deo has been part of numerous Australian Trade Delegations in the areas of clean energy/green buildings (eg Korea, Taiwan, Dubai & China). Most recent of these include the Australian Academy of Technological Sciences and Engineering delegation to Korea on 'Green Growth' (2010) and he led the NSW Government delegation on Low Carbon cities to the World Expo in Shanghai in 2010.

### Research and Publications:

Professor Deo Prasad has made outstanding contributions to the field of green buildings research in Australia. He is a passionate advocate of sustainable built environments internationally. Deo's key contributions are in the area of sustainable buildings, its key indicators and synthesising these into either assessment tools or building design. With qualifications in architecture, management and engineering he has a unique perspective on integrating multi-disciplinary knowledge to achieve best outcomes. Deo was a co-author of the Australian Benchmark studies for greenhouse gas reductions in commercial buildings as per Kyoto targets (published by the Australian Greenhouse Office as a report in 1999 and the basis for a number of policy outcomes. Deo has conducted numerous case studies of all building types for their sustainability credentials (published by the Australian Council for

Building Design Professions - EDGe Notes; 1995-2006). In fact he was one of the founding group of this very useful suite of Notes. *Deo has published in excess of 270 key publications on the subject (including five books, about 30 chapters in books, numerous key journal papers and refereed conference papers – among the highest in the country in architecture) and is a regular keynote invited speaker at conferences in this field (averaging 6-8 per year).*

Further Details: [www.lowcarbonlivingcrc.com.au](http://www.lowcarbonlivingcrc.com.au)