

Professor Jürg Keller FTSE, IWA Fellow

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**Qualifications**

- 1991, PhD in Biochemical Engineering; Swiss Federal Institute of Technology (ETH), Zürich, Switzerland
- 1986, B.E. (Chemical Engineering); Swiss Federal Institute of Technology (ETH), Zürich, Switzerland

Employment history

- 2015 – present, Deputy Director, Advanced Water Management Centre, The University of Queensland
- 2004 – present, Professor, School of Chemical Engineering, The University of Queensland
- 2014 – 2019, Chief Research Officer, CRC for Water Sensitive Cities
- 1996 – 2014, Director, Advanced Water Management Centre, The University of Queensland
- 2011 – 2013, The University of Queensland Vice-Chancellor's Senior Research Fellow
- 2006 – 2010, Australian Professorial Fellow (Australian Research Council)
- 2000 – 2003, Associate Professor, Department of Chemical Engineering, The University of Queensland
- 1993 – 1999, Senior Lecturer, Department of Chemical Engineering, The University of Queensland
- 1993 – 1996, Project Leader for \$3.1M Wastewater Treatment Project with CRC for Waste Management and Pollution Control (CRC WMPC)
- 1992, Lecturer at the Department of Chemical Engineering, The University of Queensland
- 1991 – 92, Postdoctoral Research Fellow (funded by Swiss National Science Foundation), Chemical Engineering, The University of Queensland

Main areas of expertise

- Environmental process technologies
- Bio-electrochemical process technologies
- Biological nutrient removal technologies
- Water recycling and resource (nutrients, energy) recovery
- Integrated urban water management
- Integration of science and process engineering
- Research management and research staff mentoring/development

Summary of research output

- 288 international journal articles since 1994, over 150 in last 10 years
- Over 22,400 citations; over 12,500 citations since 2014 (Scopus, 9 April 2019)
- h-index = 79, including 60 papers with ≥ 100 citations each
- 12 books or book sections
- more than 250 international conference publications, including over 25 invited and/or keynote presentations in last 10 years
- Graduated over 45 PhD students since 1995

Fellowships and Awards

- 2017 National Research Innovation Award, Australian Water Association (AWA)
- 2013 Australian Water Professional of the Year, AWA
- 2012 Queensland Water Professional of the Year, AWA
- 2011 Elected as Fellow to the Australian Academy of Technological Sciences and Engineering (ATSE)
- 2011 Appointed to ARC College of Experts - Engineering, Mathematics and Informatics Panel
- 2010 International Water Association (IWA) Fellow; one of 34 inaugural fellows worldwide, selected from over 10,000 water professionals
- 2010 Lettinga Award (The Netherlands) for project on innovative integration of bioelectrochemical process with anaerobic digestion technology
- 2009 Distinguished Service Award, Association of Environmental Engineering and Science Professors (AEESP)
- 2008 EnterPrize Business Planning Award for Bilexys
- 2008 IWA Project Innovation Award (East Asia & Pacific) for Sewer Management Project
- 2008 Engineering Excellence Award: R&D and Innovation; Engineers Australia (Queensland Chapter) for Sewer Management Project
- 2006 ARC Australian Professorial Fellowship (Australian Research Council)
- 2005 AEESP/CH2MHill Award for Supervision of Best PhD Thesis

Competitive Grants and Research Success

- Founding Director of the Advanced Water Management Centre at UQ (since 1996), now one of the leading centres of excellence in water management with \$9-10M annual budget, >100 researcher staff, students & visitors
- Funding totalling A\$40M over last 25 years, mostly collaborative (also with industry partners) and many as project (co)leader
- Highly successful in academic research (9 ARC Discovery grants), industry-linked research (10 ARC Linkage grants) and international collaboration (one ARC Linkage Intl, 3 DIISR ISL grants)
- Numerous industry-related project activities through CRC for Water Sensitive Cities, Environmental Biotechnology CRC, CRC for Waste Management and Pollution Control, Meat & Livestock Australia, plus many direct partnerships with public and private sector entities.

Professional Activities

- Chair of Program Committee of IWA World Water Congress 2018 Tokyo, and Member of Program Committee for 2014 Lisbon and 2016 Brisbane
- Board Member of Australian Water Association (2017-2021)
- Chair of 4th International Conference on Microbial Fuel Cells (MFC4), Cairns 2013
- Chair of Program Committee for IWA Leading Edge Technology conference 2012 in Brisbane, QLD.
- Chair of Australian National Committee of IWA, 2004 - 2009
- Member of the IWA Governing Board/Assembly 2003 - 2009
- Co-Chair of Organising Committee for 7th IWA World Congress on Water Reclamation and Reuse, 20-25 Sept 2009, Brisbane, Australia (390 delegates).
- Invited member of program committee for IWA Leading Edge Technology Conferences since inception in 2003.
- Member of IWA, AWA and Association of Environmental Engineering & Science Professors (AEESP), International Society for Electrochemistry (ISE)