

CURRICULUM VITAE

Assoc. Prof. Dr. Dena Fam

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Over the last decade I have worked with industry, government and community actors to collaboratively design, research and trial alternative waste and water systems with the aim of sustainably managing natural resources and reducing environmental impact. My consulting and research experience over the last decade has spanned socio-cultural (learning for sustainability) institutional (policy analysis) and technological aspects of environmental management. With experience in transdisciplinary project design and delivery, I have increasingly been involved in developing transdisciplinary educational programs, courses, workshops and projects both locally and internationally. This includes in collaboration with colleagues in Latin America, Australasia, Northern Europe and most recently in Egypt. I have led the publication of three edited books on transdisciplinary design, collaboration and education and over 100 publications, including industry reports, academic publications, conference papers and public media outputs. I am an elected member of the leadership board of the Global Alliance for Inter- and Transdisciplinarity (ITD Alliance, 2021) and founding member of the Responsive Research Collective (2021).

PROFESSIONAL EXPERIENCE

- 2021 - Adjunct Assoc. Professor, Institute for Sustainable Futures, UTS
- 2021 - Founding Member of the Responsive Research Collective
- 2020 Assoc. Director/Responsible Academic Officer, Higher Degree Research Program (ISF)
- 2019/2020 Deputy Director (Urban Futures), Institute for Sustainable Futures, UTS
- 2017/2020 Team Leader (Organics Futures), Institute for Sustainable Futures, UTS
- 2017/2021 Invited Scientific Committee Member for the 'International Transdisciplinary Conference'
- 2016/2020 Research Director, Institute for Sustainable Futures, UTS

- 2016 Invited Scientific Committee Member & Keynote Speaker: World Toilet Summit & Expo
- 2014/2017 UTS Chancellor's Postdoctoral Research Fellow, Institute for Sustainable Futures, UTS

EDUCATION

- 2022 Masters in Educational Leadership at Monash University, Melbourne (pending)
- 2014 PhD in Sustainability at the Institute for Sustainable Futures, University of Technology, Sydney. *Thesis title: People and practices:Fostering transitions toward sustainability through transdisciplinary inquiry and individual, social & organisational learning*
- 2007 Bachelor of Industrial Design (High Distinction, Hons 1), Western Sydney University, Penrith, Australia
- 2002 Bachelor of Contemporary Arts (Distinction), Western Sydney University, Penrith, Australia

ACADEMIC FUNCTIONS AND SERVICES

- 2021 Co-designer of Design Masters' subject – *Designing and Leading Social Innovation* (UTS, Design School) and coordinator of the program to run in parallel with Ain Shams University, Egypt
- 2021-2023 Editorial roles: Associate Editor, International Journal of Sustainability in Higher Education (2021-2023), Associated Editor - Book Series: Implementing the UN Sustainable Development Goals Regional Perspectives - Asia and the Pacific Region
- 2021 Co-Designer and facilitator of the Interdisciplinary Excellence Program – funded by the Egyptian Ministry of Education, to facilitate capacity building for interdisciplinary research, education & development and national best practice in Egypt.
- 2021 Invited Speaker (with Prof Ulli Vilsmaeir, Prof Jason Prior), workshop for ISF PhD program, Design & Transdisciplinarity Schools - *Transdisciplinary Integration a Global Perspective*, November, 10th, 2021
- 2020 Invited facilitator, workshop at the UTS Faculty of Health & ISF HDR program – *Critical reflection on transdisciplinary integration*, September 8th, 2020 & Oct, 14th, 2020
- 2020 Invited speaker at the Institute of Cultural Studies, Western Sydney University, *On the road to Know-Where: Situational awareness in transdisciplinary projects*, July 31st, 2020.

- 2020 Invited Guest lecturer at the UTS Design School (1st year, Design Thinking), *Circular Economy, systems thinking and waste management at UTS*, April 26th, 2020
- 2019 Invited Co-facilitator of interactive workshops with faculty Deans and teaching staff of IberoAmericana University, Mexico City, with Professor Ulli Vilsmier (Luephana University, Germany) focused on capacity building for developing *Transdisciplinary Research, Practice and Education, November 25-29th, 2019*.
- 2019 Co-facilitator of module with Prof Jason Prior on *Transdisciplinary Integration: A Critical Reflection* for the Higher Degree Research program at the Institute for Sustainable Futures, UTS, 20th, November, 2019.
- 2019 Lead facilitator of workshop with Prof Michael O'Rourke – *Failure in Inter- & Transdisciplinary research*, International Transdisciplinary Conference, *Joining forces for change*, Chalmers University, Goteborg, Sweden, 10-13th September 2019.
- 2019 Co-facilitator of workshop with Ronlyn Duncan, Melissa Robinson-Williams & Cynthia Mitchell – *Extending the Outcome Spaces Framework*, International Transdisciplinary Conference, Chalmers University, Goteborg, Sweden, September 2019
- 2019 Invited facilitator of a 1-day workshop – *Exploring transdisciplinary progress and potential with New Zealand's National Science Challenges*, Manaaki Whenua Landcare Research, Lincoln, New Zealand, February 26th-27th, 2019 (16 participants)
- 2018 Invited co-facilitator of a half day workshop with Dr Zoe Sofoulis – *Knowledge Ecologies*, University of Technology Sydney, September 18th, 2018 (30 participants)
- 2018 Invited facilitator of 2-day workshop – *Knowledge Ecologies and transdisciplinary collaboration*, Manaaki Whenua – Landcare Research, New Zealand, July 16-18th, 2018 (30 participants)
- 2018 Invited Facilitator of workshop(s) at Luephana University, Faculty of Sustainability, Germany - *Transdisciplinary Outcome Spaces Framework*, April 3-13th, 2018 (22 participants)
- 2018 Invited co-facilitator ETH Zurich, Switzerland (*Transdisciplinary Outcome Spaces Framework*), March 22nd, 2018
- 2018 Invited Facilitator: *Building Bhutanese research sector capacity, solving development issues through transdisciplinary methodologies: Australia Awards Fellowship Bhutan*, 6-13th February 2018
- 2017 Invited facilitator of a 1-day workshop '*Transdisciplinary Research and Practice*' with Dr Abby Mellick Lopes (2017) at the Institute of Culture and Society, Western Sydney University August 29th, 2017 (10 participants)
- 2017 Invited Co-facilitator of a 1-day workshop '*Transdisciplinary Research and Practice*' with Prof Bill Bellotti (2017) at the Global Change Institute, University of Queensland, 15th Feb, 2017 (30 participants)

- 2016 Invited facilitator for the Peter Cullen Trust, *Leadership Master Class*, 20-21st August, 2016. Co-facilitating a 2 day masterclass for 10 state-wide fellows on developing capacity for environmental leadership in Australia.
- 2016/2018 UTS Interdisciplinary Labs (2 week; one semester duration), [Wealth from Waste](#), co-facilitated with the School of Design (35 students/Lab) to identify design interventions for managing food waste in a circular economy.

REVIEWER FOR RESEARCH PROGRAMS AND JOURNALS

Funding Institutions:

- 2021 *Swiss National Science Foundation, PRIMA Proposal* - Investigating interdisciplinarity and transdisciplinarity: Intersections of practices, culture(s) and policy in collaborative knowledge production
- 2019 *Curtin University, Sustainability Policy Institute*, PhD thesis (TITLE: Domestic practices and user experiences pre and post-occupancy in a low carbon development)
- 2019 *The Netherlands Organisation for Scientific Research (2019)* invited as an independent reviewer to assess a research proposal in the research area of 'Transitions and Behaviour'.
- 2019 *Czech Science Foundation (2019)* invited as an independent reviewer of a research proposal on 'Microbiological citizenship between antibiotic and probiotic regimes'
- 2018 *Auckland University, Business School, Department of Management and International Business*, Master Thesis (Research: Skills in commercialization-oriented interdisciplinary research)
- 2016 *Innovedum ETH, Zurich (2016)* (www.innovedum.ethz.ch): Invitation to review financed teaching-related projects. The Zurich Teaching Commission (www.lehrkommission.ethz.ch), supported by the opinions of experts, assesses the projects submitted to this fund for consideration.

Scientific Journals:

I have reviewed journal publications for a broad range of Australian and international journals including: *Water, Science and Technology*; *Water Policy*; *Journal of Cleaner Production*; *Local Environment – International Journal of Justice and Sustainability*; *Sustainability*; *Environmental Innovation and Societal Transitions*; *Journal of Water, Sanitation and Hygiene for Development*; *World Development*, *Journal of Environmental Sociology*, *Australasian Journal of Environmental Management*; *Africa Education Review*; *Journal of Hydrology*; *Journal of Sustainable Cities and Society*; *Utilities Policy*; *Water Science Technology – Water Supply*; *Journal of Science, Engineering and Ethics*; *Journal of Higher Education Policy* and

Management; Higher Education Quarterly; Sustainability Science; Geopolitics; International Journal of Environmental Research and Public Health; Environmental Impact Assessment Review; International Journal of Leadership in Education; Journal of Urban Technology; Membranes; Journal of Educational Studies (South Africa); Frontiers; (28) Journal of Sustainability in Higher Education, (29) International Journal of Environmental Research and Public Health; Human Ecology Review; International Journal of Sustainability in Higher Education.

VISITING FELLOWSHIPS

TdAcademy Fellowship, Technical University Berlin (TUB), Germany (10/2021)

Universidad IberoAmericana, Mexico City, Mexico (11/2019)

Leuphana University, Faculty of Sustainability, Germany (03/2018)

Manchester University, Sustainable Consumption Institute, United Kingdom (11/2016)

Griffith University, Queensland, Australia, Smart Water Research Centre (03/2014)

Linkoping University, Sweden, Department of Water & Environment (06/2014)

Linkoping University, Sweden, Department of Water & Environment (06/2011)

Chalmers University, Sweden, Department of Civil & Environmental Engineering (06/2009)

ACADEMIC PARTNER AND MEMBERSHIPS

2021 Invited Advisory Panel & Review Board member for the Collection – Special Issue Transdisciplinarity in Africa and beyond, *Journal of Educational Studies (South Africa)*

2019 Invited Advisory Panel member for the collection – *Expertise on Integration and implementation of transformative research in Humanities and Social Sciences Communications - Nature*

2019 Invited Advisory Board Member, Project - *Developing a design theory of sustainability transitions through collaborative inquiry*, Department of Design, Aalto university, Finland

2019 Invited Advisory Board Member, Project – *Transdisciplinarity for Urban Sustainability Transitions*, Inter-university Department of Regional & Urban Studies and Planning Politecnico di Torino and Università di Torino, Italy

2019 - Founding member of the Global Alliance for Inter- and Transdisciplinary Research and Education (ITD Alliance)

- 2019 Member: Healthy Urban Environments Collaboratory Clinical Academic Group (HUE) Sydney Partnership for Health, Education, Research and Enterprise (SPHERE)
- 2019 Invited & Inaugural Member: Open Cities Alliance (Sydney)
- 2013 Fellow: Peter Cullen Fellowship – Science to Policy Leadership Program
<http://www.petercullentrust.com.au/fellows/overview>
- 2010 Member: Sustainability Transitions Research Network
<https://transitionsnetwork.org>
- 2008 Member: Asia-Pacific Science Technology Society Network
- 2008 Member: Sustainable Sanitation Alliance <http://www.susana.org/en/>