

Urban Planning for the City of the Future

This page intentionally left blank

Urban Planning for the City of the Future: A Multidisciplinary Approach

EDITED BY

SUSAN FLYNN

South East Technological University, Ireland

And

RICHARD HAYES

South East Technological University, Ireland



United Kingdom – North America – Japan – India – Malaysia – China

Emerald Publishing Limited
Howard House, Wagon Lane, Bingley BD16 1WA, UK

First edition 2023

Editorial matter and selection © 2023 Susan Flynn and Richard Hayes.
Individual chapters © 2023 The authors.
Published under exclusive licence by Emerald Publishing Limited.

Reprints and permissions service

Contact: permissions@emeraldinsight.com

No part of this book may be reproduced, stored in a retrieval system, transmitted in any form or by any means electronic, mechanical, photocopying, recording or otherwise without either the prior written permission of the publisher or a licence permitting restricted copying issued in the UK by The Copyright Licensing Agency and in the USA by The Copyright Clearance Center. Any opinions expressed in the chapters are those of the authors. Whilst Emerald makes every effort to ensure the quality and accuracy of its content, Emerald makes no representation implied or otherwise, as to the chapters' suitability and application and disclaims any warranties, express or implied, to their use.

British Library Cataloguing in Publication Data

A catalogue record for this book is available from the British Library

ISBN: 978-1-80455-216-2 (Print)

ISBN: 978-1-80455-215-5 (Online)

ISBN: 978-1-80455-217-9 (Epub)



INVESTOR IN PEOPLE

Table of Contents

About the Contributors	vii
List of Contributors	xi
Acknowledgements	xiii
City Limits: An Introduction to Urban Planning for the City of the Future	1
<i>Susan Flynn and Richard Hayes</i>	
Section 1 Strategy, Planning and Economy	
Chapter 1 Waterford City's Future in Regional Context	11
<i>Proinnsias Breathnach</i>	
Chapter 2 A City and the State: Towards an Analysis of the National Plan for Waterford	31
<i>Richard Hayes</i>	
Chapter 3 That's Your Bloody GDP: Performing the City-Region Economy	59
<i>Ray Griffin</i>	
Section 2 Heritage, Archaeology and Belonging	
Chapter 4 Heritage, Libraries, and Inclusion: A Case Study of Waterford Central City Library	77
<i>Susan Flynn</i>	

Chapter 5 Heritage and Conscience: Waterford's Former Magdalene Laundry and Industrial School	93
<i>Jennifer O'Mahoney</i>	

Chapter 6 Early Irish Settlement on the Waterford Estuary: Visualising Our Past, Informing Our Future	115
<i>Joy Rooney and Moira Sweeney</i>	

Section 3 Futurising, Smart Cities and Critical Technology

Chapter 7 Engaging 15-Minute Cities as a New Development Model: The Potential of Waterford City	139
<i>Niamh Moore-Cherry, Camilla Siggaard Andersen and Carla Maria Kayanan</i>	

Chapter 8 Are Smart Cities Sustainable? The Evolution of Smart City Thinking	161
<i>Patrick Lynch</i>	

Chapter 9 In the Deep Water: Envisioning a Contingent City of the Future/Past and the Tools to Do So	187
<i>Eleanor Dare</i>	

Afterword: Urban Planning for the City of the Future	205
<i>Bill O'Gorman</i>	

Index	213
-------	-----

About the Contributors

Camilla Siggaard Andersen is the Urban Design Research Lead at global design and architecture studio Hassell. She is an ARB MAA qualified architect from the Royal Danish Academy of Arts. Camilla has also studied at McGill University (Montreal) and taught Strategies for Urban Liveability at the Danish Institute for Study Abroad. Camilla worked for almost five years with urban quality consultancy Gehl in Copenhagen and New York, before moving to London in 2018 to join Arup's strategic design team Digital Studio. She has been awarded as an NYU Emerging Leader in Transportation and as a Future Stars of Tech nominee. She currently chairs New London Architecture's Built Environment Technology Panel and is the Content Curator for Property X-Change, a knowledge sharing initiative launched by the Mayor of London and founding partners. In 2021, Camilla authored 'Close to Home', a research study examining the '15-minute city' idea in the Irish context.

Dr Proinnsias Breathnach is Senior Lecturer Emeritus, Department of Geography, Maynooth University, Ireland. His main research interests relate to the spatial aspects of economic development, with particular reference to inward investment, local and regional development, and the role of governance structures in the development process.

Dr Eleanor Dare is an academic and critical technologist who works at Cambridge University, Faculty of Education, as well as UCL, Institute of Education. Eleanor has a PhD and an MSc in Arts and Computational Technologies from the Department of Computing, Goldsmiths. Eleanor is a fellow of the Royal Society of Artists and the Higher Education Academy, an AHRC peer-review college member and occasional reviewer for the EPSRC. Eleanor is on the board of the Theatre in the Mill, Bradford, and an organising member of the Arts Creativities Research Group at Cambridge University as well as the Post Pandemic University (a journal). Eleanor has taken part in many funded research projects as a PI and Co-I and has also exhibited work at many galleries and festivals around the world. Eleanor was formerly Reader in Digital Media and Head of Programme for MA Digital Direction, at the Royal College of Art.

Dr Susan Flynn is Head of Department of Arts at South East Technological University. She researches equality, diversity, inclusion, space and place and has a special interest in citizenship and belonging. Previous edited collections include *Equality in the City* (Intellect, 2022); *Surveillance, Architecture and Control*

(Palgrave Macmillan, 2019); *Surveillance, Race, Culture* (Palgrave Macmillan, 2018) and *Spaces of Surveillance, States and Selves* (Palgrave Macmillan, 2017).

Dr Ray Griffin hails from the Department of Management and Organisation at South East Technological University, Waterford, Ireland. His research explores complex disorganisations such as the labour market and professions. An Irish Research Council alumni, he is the principal investigator for both the EU H2020 project HECAT and SFI-funded PESTech projects, which explores seeing the labour market. With Tom Boland, he directs the Economy and Society Summer School, launched in 2015 by the President of Ireland, Michael D. Higgins.

Dr Richard Hayes is Vice President for Strategy at South East Technological University. He is a graduate of University College Dublin, Ireland, from which he received a PhD for a thesis on American theatre. He has lectured in a number of higher education institutions in Ireland and abroad and has published articles and essays on many aspects of Irish and American literature. He has in more recent years focussed in his scholarly activity on aspects of urban and regional development and has a particular interest in the relationship between higher education institutions and the regions in which they are based.

Dr Carla Maria Kayanan is a political-economic geographer with strong interests in the spatial division of labour and its impacts on social justice, inclusivity and territorial inequality. Recent work includes examining how Dublin's tech-sector development contributes to issues of housing affordability, accessibility and rising homelessness; studying new emergent metropolitan governance structures resulting from Ireland's National Planning Framework; and disentangling the detrimental impacts of Ireland's urban-rural binary. Carla holds a PhD in Urban and Regional Planning from the University of Michigan, an MA in Social Sciences from the University of Chicago and a BA in Sociology and Spanish language and Literature from the University of Maryland. She is currently a Postdoctoral Researcher in the Department of Geography at Maynooth University. Her work appears in academic journals, policy papers and across various news media platforms.

Dr Patrick Lynch is the Director of RIKON, an applied Business Technology Management Innovation Research Centre located in South East Technological University in Ireland. Over a 25-year period, he has amassed considerable industry, consultancy and applied innovation experience in process optimisation, business and market modelling and digital transformation. Patrick manages a team of 35 researchers and strategists who specialise in solving business problems and creating commercial opportunities through pioneering research advancements across business strategy, operational excellence and technology optimisation. Patrick is the principal investigator on over 450 innovation and research projects that are recognised for making real transformational change in businesses and re-imaging how companies can seize opportunities that transform their organisation. Patrick has extensively published in over 100 top-tier journals, conferences and books and he has received numerous accolades including the prestigious Emerald Global Literati Prize for Excellence.

Dr Niamh Moore-Cherry is Professor of Urban Governance and Deputy College Principal at the UCD College of Social Sciences and Law and leads a research group examining the relationship between *Cities, Governance and Sustainability*. In Feb 2021, she was appointed an Honorary Professor at the Bartlett School of Planning, University College London. Her research is focussed on understanding the territorial politics of urban and regional development. She has a strong record in policy analysis and community engagement and has significant experience in working at the policy–practice–research nexus. Previously Niamh input into the development of the National Planning Framework in Ireland and the UK 2070 Commission in the United Kingdom. She was appointed by An Taoiseach Micheál Martin to the National Economic and Social Council in June 2022.

Professor Bill O’Gorman is Director for Research in the Centre Enterprise Development and Regional Economy (CEDRE), South East Technological University (SETU), Ireland His research focus is on entrepreneurial regions, regional development and entrepreneurship. Bill is also a mentor to a number of new and developing indigenous organisations. Prior to joining academia in 1999, Bill was Managing Director of his own electronics sub-contract business for nine years. Prior to that, he amassed over twenty years experience working in various multinational organisations at senior management and executive levels. He has strong links with regional and national policy makers and implementers, and with indigenous and multinational organisations in Ireland. He is advisor on several government programmes and participates in forums examining the development of policy for SMEs, entrepreneurial regions, regional innovation systems and entrepreneurship education. He is a director of a number of local and regional enterprise support agencies and a number of micro-enterprises. Bill has been working on EU funded projects since 2005. The central focus of these projects has been on developing regional innovation systems based on engagement with relevant regional stakeholders into collaborative coalitions. The projects have included partners across the EU and former Eastern Bloc countries. Therefore, he has a breadth of experience and expertise at national and international levels.

Dr Jennifer O’Mahoney is a Senior Lecturer in Psychology and a Chartered Member of the Psychological Society of Ireland. She is Co-Director of the Crime and Justice Research Group at SETU and a Senior Researcher at INSYTE (The Centre for INformation SYstems and TEchno-culture) at SETU. Her research focusses on how victimology and trauma are remembered and narrated; the relationship between memory and cultural heritage in digital humanities; and activism and social change and emphasises public scholarship and the collaboration and co-production of knowledge.

Jennifer is the Primary Investigator of the Waterford Memories Project, which examines historical institutional abuse in Ireland and survivor narratives. The project is survivor-centred and collaborative, aiming to encourage public engagement with academic analysis of historical institutionalisation. Various strands of the project have been funded by national (i.e. Royal Irish Academy and Irish Research Council) and international (i.e. European Union) agencies.

Jennifer has a keen interest in creating open-access, educational resources developed from this work.

Joy Rooney is a Graphic Designer, Lecturer and Researcher in Design, at South East Technological University (SETU), Ireland. She is a graduate of the University of the Arts, London (UAL). Her design research is underpinned by an interdisciplinary approach to innovation and design-led creativity. It employs a citizen science framework in the context of cultural landscape and inter-coastal community climate action and behavioural change. Her work is informed by creative engagement with inter-coastal culture and study visits in Antarctica and the Arctic. She is currently leading the transdisciplinary project entitled *Portalis*, within the Ireland Wales Co-operation Programme. Joy is a member of SETU's Creativity and Culture Research Group (CCRG). She is actively involved at community and civic level and is Chair of the Creadan – Waterford Estuary Steering Group.

Dr Moira Sweeney is a filmmaker, broadcaster, and lecturer and researcher at SETU. Her feature documentaries include Business to Arts winner *Starboard Home* (RTÉ, 2019), *Mná na bPíob* (TG4, 2021) and *Portalis* (SETU, 2023). Publications include: 'Space and the Geographical Imagination on the Dublin Docklands' in *Media & The City: Urbanism, Technology and Communication* (Giaccardi, Tosni, & Tarantino, 2013); 'Dublin Docks: Visualising Changing Identities, Communities and Labour Practices' in *Mind the Gap: Working Papers on Practice-Based Doctoral Research in the Creative Arts and Media* (Bell, 2016) and *Keepers of the Port: Visualising Place and Identity in a Dublin Dock Community* (2019). Multimedia artworks include *Stevedoring Stories* (PhotoIreland, 2012), *Rhythms of a Port* (Women and the Sea, 2014) and *Keepers of the Port* (Geographers Conference of Ireland, 2017; Royal Geographic Society International Conference, 2016). Her film approach is explored in *Creative and Media Arts: Challenging Practice* (Bell, 2019).

List of Contributors

<i>Camilla Siggaard Andersen</i>	Hassell Design Studio, UK
<i>Proinnsias Breathnach</i>	Maynooth University, Ireland
<i>Eleanor Dare</i>	University of Cambridge, UK
<i>Susan Flynn</i>	South East Technological University, Ireland
<i>Ray Griffin</i>	South East Technological University, Ireland
<i>Richard Hayes</i>	South East Technological University, Ireland
<i>Carla Maria Kayanan</i>	Maynooth University, Ireland
<i>Patrick Lynch</i>	South East Technological University, Ireland
<i>Niamh Moore-Cherry</i>	University College Dublin, Ireland
<i>Bill O’Gorman</i>	South East Technological University, Ireland
<i>Jennifer O’Mahoney</i>	South East Technological University, Ireland
<i>Joy Rooney</i>	South East Technological University, Ireland
<i>Moira Sweeney</i>	South East Technological University, Ireland

This page intentionally left blank

Acknowledgements

Jane Jacobs once wrote that ‘cities have the capability of providing something for everybody, only because, and only when, they are created by everybody’. Here, we have tried to foster collaboration and co-creation across a range of disciplines, to open new lines of enquiry and to democratise knowledge. We are indebted to all of the authors in this collection, for sharing their approaches and ideas. Thanks to Ann Fripps, for kindly providing the cover image of Waterford city. We dedicate this book to the citizens of Waterford.