

D.P. Peck
Associate Professor
Architecture and the Built Environment, Circular Built Env.



Qualifications, PhD (TU Delft), MBA (Warwick), BEng (hons), CEng

PhD, Industrial Design Engineering
Award Date: 18 Nov 2016

Post graduate certificate in teaching and learning in higher education, Coventry University
1 Jun 2000 → 1 Jun 2001
Award Date: 21 Jun 2001

MBA, University of Warwick
1 Sept 1998 → 1 Jun 2001
Award Date: 1 Jun 2001

BEng (Hons), Coventry University
30 Sept 1992 → 30 Jun 1996
Award Date: 3 Jun 1996

Employment

Academic

Associate Professor
Environmental & Climate Design
Delft University of Technology
1 Aug 2016 → 4 Jun 2031

Honorary Associate Professor

University College London
London, United Kingdom
1 Jan 2019 → present

Professor

Coventry University
17 Jan 2017 → 1 Jun 2019

Adjunct Professor MIP

Politecnico di Milano
Milan, Italy
1 Feb 2014 → present

H2020 reviewer and committee member

European Commission
Belgium
1 Jan 2014 → present

Research output

The Delft scales to aspects circular built environment model: the result of two years of interdisciplinary discussions

Wandl, A., Ioannou, O., Gruis, V., Peck, D., Jenkins, A., Geldermans, B., van den Berghe, K., Bucci-Ancapi, F., Tsui, T., van Uden, M., Egger, T., Dabrowski, M., Medici, P. & Klein, T., 2026, In: Planning Practice and Research. 41, 2, p. 317-338 22 p.

Correction: Medici et al. Safety and Health Concerns for the Users of a Playground, Built with Reused Rotor Blades from a Dismantled Wind Turbine. Sustainability 2020, 12, 3626

Medici, P., van den Dobbelsteen, A. & Peck, D., 2025, In: Sustainability (Switzerland). 17, 16, 2 p., 7338.

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The impact of circular strategies on titanium supply and demand in the aviation industry

Hoff, T., Sprecher, B., Pohya, A. A., Wende, G. & Peck, D., 2025, In: Resources, Conservation and Recycling. 222, 11 p., 108476.

Transforming Circular Economy Thinking Using the Forest as a Metaphor

Fromberg, E. H. E., Bakker, C. A. & Peck, D., 2025, In: Sustainability. 17, 5, 23 p., 1858.

Buildings

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Conceptualising the technosphere of a circular economy through a living systems metaphor

Fromberg, E. H. E., Webster, K., Peck, D. & Bakker, C. A., 2024, *What's Around Design? : Strategic and Speculative Biodesign for a Sustainable Future: Volume 2*. Mateus, A., Leonor, S. & Paoliello, C. (eds.). Vol. 2 (2026). p. 198-206 9 p.

Circular economy through the lens of the forest metaphor – a teaching and learning perspective

Fromberg, E. H. E., Bakker, C. A., Entsminger, J., Grantham, C., Lusby, A., Peck, D. & Webster, K., 2023, *5th PLATE Conference Espoo, Finland. Proceedings*. Niinimäki, K. & Cura, K. (eds.). Aalto University, p. 332-339 8 p.

Conceptualising a Circular Economy—an Enquiry into Circular Economy Conceptual Metaphors

Fromberg, E. H. E., Bakker, C. A. & Peck, D., 2023, In: Circular Economy and Sustainability. 4, 2, p. 827-850 24 p.

Development of the Circular Product Readiness Method in Circular Design

Boorsma, N. E., Polat, E., Bakker, C. A., Peck, D. & Balkenende, A. R., 2022, In: Sustainability. 14, 15, 32 p., 9288.

Spatial clustering of waste reuse in a circular economy: A spatial autocorrelation analysis on locations of waste reuse in the Netherlands using global and local Moran's I

Tsui, T. P. Y., Derumigny, A., Peck, D., van Timmeren, A. & Wandl, A., 2022, In: Frontiers in Built Environment. 8, 18 p., 954642.

Structuring Circular Objectives and Design Strategies for the Circular Economy: A Multi-Hierarchical Theoretical Framework

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The strategic value of design for remanufacturing: a case study of professional imaging equipment

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The Role of Urban Manufacturing for a Circular Economy in Cities

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Products and circular economy, Policy recommendations derived from Research & Innovation projects

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A review of methods and data to determine raw material criticality

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Safety and Health Concerns for the Users of a Playground, Built with Reused Rotor Blades from a Dismantled Wind Turbine

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A Historical Perspective of Critical Materials: 1939 to 2006

Peck, D., 2019, *Critical Materials : Underlying Causes and Sustainable Mitigation Strategies*. Offerman, E. (ed.). London: World Scientific, p. 85-101 (World Scientific Series in Current Energy Issues; vol. 5).

Circular building products, a case study of soft barriers in design for remanufacturing

Boorsma, N., Tsui, T. & Peck, D., 2019, *Proceedings of the International Conference of Remanufacturing 2019*. Ijomah, W. (ed.). 2019 ed. Amsterdam, the Netherlands, p. 1-17 17 p.

Circular Product Design: Addressing Critical Materials through Design

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Correction to: Combined analyses of costs, market value and eco-costs in circular business models: Eco-efficient value creation in remanufacturing (Journal of Remanufacturing, (2017), 7, 1, (1-17), 10.1007/s13243-017-0031-9)

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Creating sustainable value through remanufacturing: Three industry cases

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Combined analyses of costs, market value and eco-costs in circular business models: eco-efficient value creation in remanufacturing

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Product policy and material scarcity challenges: The essential role of government in the past and lessons for today

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Understanding the societal, entrepreneurship and economic aspects of developing a Circular Economy in cities: a case study of Coventry in the UK

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Teaching strategic and sustainable design

Wever, R., Peck, D. & Eyto, de, A., 2013, *Proceedings of ecodesign 2013 international symposium*. s.n. (ed.). s.l.: KITECH Korea National Cleaner Production Center (KNCPC), p. 1-6 6 p.

Eco-design opportunities for critical material supply risks

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Materials and design - chapter 3.10

Benesch, J. & Peck, D., 2012, *European commission report 'Forward looking workshop on materials for emerging energy technologies'*. Benesch, J. (ed.). s.l.: European Union, p. 45-48 68 p.

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An information technological specification of abstract prototyping for artifact and service combinations

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Case Study 8: Company awareness and response to critical materials in product design

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Brehmer, M., Smulders, F. & Peck, D., 2011, *Proceedings of the IASDR 2011, the 4th World Conference on Design Research*. Roozenburg, N., Chen, L. & Stappers, P. (eds.). Delft: TU Delft / IASDR, p. 1-7 7 p.

Development of a ubiquitous learning prototype to address vehicle telematics

Verlinden, J., Korhonen, T., Peck, D. & Horvath, I., 2010, *Proceedings of the 8th International Symposium on Tools and Methods of Competitive Engineering*. Horvath, I., Mandorli, F. & Rusak, Z. (eds.). Delft: Delft University of Technology, p. 631-640 10 p.

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Telematics/its; from automotive to leisure marine telematics; findings from a regional case study in knowledge transfer

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Broadening industry perspectives if vehicle application through virtual learning environments

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Demarcating advanced learning approaches from methodological and technological perspectives

Horvath, I., Peck, D. & Verlinden, J., 2009, In: *European Journal of Engineering Education*. 34, 6, p. 465-485 21 p.

Sustainable Innovation - organization and goal finding

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Vehicle telematics; a learning studio for vehicle designers

Peck, D. & Verlinden, J., 2009, *Proceedings of the 16th ITS World Congress*. S.n. (ed.). Brussels: Ertico ITS Europe, p. 1-8 8 p.

Academic**Academic**

2018	Associate Professor in the faculty of Architecture & Built Environment
2017	Associate Professor in the faculty of Architecture & Built Environment
2016	Associate Professor in the faculty of Architecture & Built Environment
2015	Senior Research Fellow TU Delft
2014	Assistant Professor in the faculty of Industrial Design Engineering
2013	Assistant Professor in the faculty of Industrial Design Engineering