

CURRICULUM VITAE

SHORT CV

Neelke Doorn (1973) is distinguished Antoni van Leeuwenhoek professor “Ethics of Water Engineering” at the Ethics and Philosophy of Technology Section at the Technical University Delft. She has a background in Civil Engineering (Delft 1997, BSc+MSc – *Cum Laude*), Philosophy (Leiden 2005, BA+MA - *Cum Laude*) and Law (OU 2016, LLB+LLM – *Cum Laude*). Her Philosophy MA thesis appeared as a monograph in the book series *Psychiatrie en Filosofie* (Psychiatry and Philosophy, Boom Publishers), excerpts of which have been used in the Dutch national high school exam philosophy (VWO 2014). From 1998 till 2007, Neelke worked as a research engineer at the hydraulic research institute WL | Delft Hydraulics (now Deltares). Between November 2006 and February 2010, she worked as a part-time researcher at the Centre for Ethics of the Radboud University Nijmegen (The Netherlands), and from September 2007 onwards at the Philosophy Section of Delft University of Technology. In May 2011, she obtained her PhD for her thesis “Moral Responsibility in R&D networks.” In 2013, Neelke was interim assistant director of the 3TU.Centre for Ethics and Technology. Her current research concentrates on moral issues in technological risk and water governance, with a special focus on how a resilience approach affects the distribution of responsibilities in risk and water governance. In 2013, Neelke was awarded a prestigious Veni-grant for outstanding researchers from the Netherlands Organization for Scientific Research (NWO). She was shortlisted for the engineer of the year award 2014 from the Dutch professional engineering organization (KIVI) for her work on the interface of ethics and engineering. Neelke is Editor-in-Chief of *Techné: Research in Philosophy and Technology* (Journal of the Society for Philosophy and Technology). She has authored over 70 peer reviewed publications and is regularly invited to give public talks about topics on the interface of technology, risk, and morality.

PERSONAL INFORMATION

Name: Doorn
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WORKING EXPERIENCE

- 2017 - present Full professor “Ethics of Water Engineering” (distinguished Antoni van Leeuwenhoek professor), Delft University of Technology
Research projects: The Ethics of Flood Risk Management / Values4Water / Frugal Innovations in East Africa / BRIGAIID / SmartResilience / Crowd-based innovations in the energy, water and logistics sector
- 2016 - 2017 Associate professor Delft University of Technology (tenured)
Research projects: The Ethics of Flood Risk Management / Values4Water / Frugal Innovations in East Africa / BRIGAIID / SmartResilience / Crowd-based innovations in the energy, water and logistics sector

- 2013 - 2016 Assistant professor Delft University of Technology (tenure track; converted into tenured position upon midterm review)
Research projects: The Ethics of Flood Risk Management / New Technologies as Social Experiments / Values4Water / Frugal Innovations in East Africa
- 2013 Assistant Director 3TU.Centre for Ethics and Technology / Coordinator 3TU.Ethics Graduate School (interim)
University of Twente
- 2011 - 2013 Assistant professor Delft University of Technology
Research projects: Ethics of water governance / Governance of responsible development
- 2007 - present Senior researcher 3TU.Centre for Ethics and Technology
- 2007 - 2011 PhD research fellow
Delft University of Technology (completed within 3 years net research time)
Research project: Moral responsibility in R&D networks
- 2006 - 2010 Researcher, Centre for Ethics, Radboud University Nijmegen (20%)
Research project: Forgiveness and reconciliation in public contexts
- 2003 - 2005 Guest lecturer Philosophy, Stanislas College Delft
Philosophy Education (junior and senior high school)
- 1998 - 2007 Research Engineer/Consultant, WL | Delft Hydraulics (now Deltares)
Research and specialized consultancy in the field of coastal engineering,
Participation in EU projects, Supervision of MSc students
- 1997 - 1998 Researcher, Faculty of Civil Engineering, Delft University of Technology
Research project: Dissipation of surface waves

EDUCATION

- 2015 - 2016 LLM Law ('meester'), Open University Heerlen, the Netherlands (*Cum Laude*)
Specialization: Administrative law
Thesis: Compensation for harm in water policy
- 2011 - 2015 LLB Law, Open University Heerlen/Nijmegen, the Netherlands (*Cum Laude*)
- 2007 - 2011 PhD Philosophy, Delft University of Technology, the Netherlands
Thesis: Moral Responsibility in R&D Networks
- 1999 - 2005 BA+MA Philosophy, Leiden University, the Netherlands (*Cum Laude*)
Specialization: Practical Philosophy
Thesis: Competence. An anthropological approach (in Dutch)
- 1991 - 1997 BSc+MSc Civil Engineering, Delft University of Technology (*Cum Laude*)
Specialization: Hydraulic Engineering
Thesis: Dissipation in a Spectral Wave Model
Additional certificates (equivalent to minor program at MSc level):
- Water management;
 - Probabilistic and statistical approaches in design.

PROFESSIONAL AND POST-GRADUATE TRAINING

- 2015 Personal Development training for tenure track researchers

- 2010 - 2011 Academic Teaching Qualification (BKO)
 2007 - 2009 Doctoral (Post-graduate) training, Netherlands Research School Applied Philosophy (Followed courses: political philosophy, ethical theory and moral practice, ethical theory and the empirical sciences, moral responsibility, critical theory, normativity in science, ethics and engineering, seminar series on research skills)
 1997 - 2003 Trajectory of professional skills training (project management, project leading, client-oriented communication)

PUBLICATIONS

Refereed books and edited volumes (5)

- [1] Van den Hoven, M.J., **N. Doorn**, T. Swierstra, B.-J. Koops and H. Romijn (2014). *Responsible Innovation: Innovative Solutions for Global Issues* (edited volume). Dordrecht: Springer.
 [2] **Doorn, N.**, D. Schuurbiers, I.R. van de Poel and M.E. Gorman (2013). *Early Engagement and New Technologies: Opening up the Laboratory* (edited volume). Dordrecht: Springer.
 [3] Van Stokkom, B.A.M., **N. Doorn** and P.J.M. van Tongeren (2012). *Public Forgiveness in Post-Conflict Contexts* (edited volume). In *Series on Transitional Justice - Volume 10*. Cambridge/Antwerp: Intersentia Publishers.
 [4] **Doorn, N.** (2011). *Moral Responsibility in R&D Networks: A Procedural Approach to Distributing Responsibilities*. Simon Stevin Series. PhD Thesis, Delft: 3TU.Centre of Ethics and Technology.
 [5] **Doorn, N.** (2009). *Wilsbekwaamheid - weldoen, autonomie, identiteit* (in Dutch). Amsterdam: Boom.

Refereed journal publications (41)

- [6] **Doorn, N.** (forthcoming). 'Distributing risks: Allocation principles for distributing reversible and irreversible losses', Accepted for publication in *Ethics, Policy & Environment*.
 [7] **Doorn, N.** and B. Taebi (forthcoming). 'Rawls' Wide Reflective Equilibrium as a method for engaged interdisciplinary collaboration: Potentials and limitations for the context of technological risks', Accepted for publication in *Science, Technology & Human Values*. DOI: 10.1177/0162243917723153.
 [8] Howell, R., C. van Beers, **N. Doorn** (forthcoming). 'Value capture and value creation: The role of information technology in business models for frugal innovations in Africa', Accepted for publication in *Technological Forecasting and Social Change*.
 [9] Alexander, M., **Doorn, N.**, S. Priest (forthcoming). 'Bridging the legitimacy gap – Translating theory into practical signposts for legitimate flood risk governance', Accepted for publication in *Regional Environmental Change*. DOI: 10.1007/s10113-017-1195-4.
 [10] **Doorn, N.** (2017). 'Allocating responsibility for environmental risks: A comparative analysis of examples from water governance'. *Integrated Environmental Assessment and Management*. 13(2): 371-375. DOI: 10.1002/ieam.1799.
 [11] **Doorn, N.** (2017). 'Do eco-systems have ethical rights'. Accepted for publication in *Integrated Environmental Assessment and Management*. 13(5). DOI: 10.1002/ieam.1922.
 [12] Chapman, P.M., H. Selck, **N. Doorn** and W.R. Munns Jr (2017). 'Ecosystem Services Deserve Better than "Dirty Paper" – Reply to Peter Calow'. *Environmental Toxicology and Chemistry*. DOI: 10.1002/etc.3763.
 [13] **Doorn, N.** (2017). 'Resilience indicators: Opportunities for including distributive justice concerns in disaster management'. *Journal of Risk Research* 20(6): 711-731, DOI:10.1080/13669877.2015.1100662.
 [14] Slot, T., E. Cuppen, N. Doorn, M. Galeano Galvan, B. Klievink (2017). 'Crowd-based innovaties: Verschuivende verantwoordelijkheden in een institutionaal void' ('Crowd-based innovations: Shifting responsibilities in an institutional void'). *Bestuurskunde* (in Dutch) 26(3): 31-42.
 [15] Guédon, A.C.P., S.L. Spruit, L.S.G.L. Wauben, M. Van der Elst, **N. Doorn**, J. Dankelman, J.J. Van den Dobbelsteen and J. Klein (2017). 'A delicate balance: adaptive support to improve patient safety'. *BMJ Innovations* 3(1): 1-6, DOI: 10.1136/bmjinnov-2016-000150.
 [16] Selck, H., P.B. Adamsen, T. Backhaus, G.T. Banta, P.K.H. Bruce, G.A. Burton, M.B. Butts, E. Bøgh, J.J. Clague, K.V. Dinh, **N. Doorn**, J. Gunnarsson, H. Hauggaard-Nielsen, C. Hazlerigg, A. Hunka, J. Jensen, Y. Lin, S. Loureiro, S. Miraglia, W.R. Munns Jr, F. Nadim, A. Palmqvist, R.A. Rämö, L.P. Seaby, K. Syberg, S.R. Tangaa, A. Thit, R. Windfeld, M. Zalewski, and P.M. Chapman (2017).

- 'Assessing and Managing Multiple Risks in a Changing World – the Roskilde Recommendations'. *Environmental Toxicology and Chemistry* 36 (1): 7-16, DOI: 10.1002/etc.3513.
- [17] **Doorn, N.** (2016). 'Governance experiments in water management: From interests to building blocks'. *Science and Engineering Ethics* 22(3): 755-774, DOI: 10.1007/s11948-015-9627-3.
- [18] Spruit, S.L.S., I.R. Van de Poel and **N. Doorn** (2016). 'Informed consent in asymmetrical relationships: An investigation into relational factors that influence room for reflection'. *NanoEthics* 10(2): 123-138, DOI: 10.1007/s11569-016-0262-5.
- [19] **Doorn, N.**, S.L.S. Spruit and Z. Robaey (2016). 'Editors' Overview: Experiments, Ethics, and New Technologies'. *Science and Engineering Ethics* 22(3): 607-611, DOI: 10.1007/s11948-015-9748-8.
- [20] **Doorn, N.** (2015). 'The blind spot in risk ethics: Managing natural hazards'. *Risk Analysis* 35(3): 354-360.
- [21] **Doorn, N.** (2014). 'Rationality in flood risk management: The limitations of probabilistic risk assessment (PRA) in the design and selection of flood protection strategies'. *Journal of Flood Risk Management* 7(3): 230-238.
- [22] **Doorn, N.** & J.O. Kroesen (2013). 'Using and developing role plays in teaching aimed at preparing for social responsibility'. *Science and Engineering Ethics*. 19(4): 1513-1527.
- [23] **Doorn, N.** (2013). 'Water and justice: Towards an ethics of water governance'. *Public Reason* 5(1): 95-111.
- [24] **Doorn, N.** (2013). 'Wide Reflective Equilibrium as a normative model for responsible governance'. *NanoEthics* 7(1): 29-43.
- [25] Mastebroek, M. and **N. Doorn** (2013). 'Wat is goede zorg?' ('What is good care?') *Tijdschrift voor Gezondheidszorg & Ethiek* (in Dutch) 23(1): 23-24.
- [26] **Doorn, N.**, B. Broekhans, and E. Mostert (2013). 'Normen en waarden in water governance' ('Norms and values in water governance'). *Water Governance*. 3(3): 5.
- [27] **Doorn, N.** (2012). 'Exploring responsibility rationales in R&D'. *Science, Technology, & Human Values*. 37(3): 180-209.
- [28] Mostert, E. and **N. Doorn** (2012). 'The European Flood risk directive and ethics'. *Water Governance*. 2(6): 10-14.
- [29] **Doorn, N.** and W.M. Dicke (2012). 'The Values of Water'. *Water Governance*. 2(2): 52-53.
- [30] **Doorn, N.** and I.R. Van de Poel (2012). 'Editors' overview: Moral responsibility in technology and engineering'. *Science and Engineering Ethics* 18(1): 1-11.
- [31] Van de Poel, I.R., J.A. Nihlén Fahlquist, **N. Doorn**, S.D. Zwart, and L.M.M. Royakkers (2012). 'The problem of many hands: Climate change as an example'. *Science and Engineering Ethics* 18(1): 49-67.
- [32] **Doorn, N.** (2012). 'Responsibility ascriptions in technology development and engineering: Three perspectives'. *Science and Engineering Ethics* 18(1): 69-90.
- [33] **Doorn, N.** and S.O. Hansson (2011). 'Should probabilistic design replace safety factors?'. *Philosophy & Technology* 24(2): 151-168.
- [34] **Doorn, N.** (2011). 'Conceptualization or assessment: One at a time or both?'. *Philosophy, Psychiatry & Psychology* 18(2): 153-155.
- [35] **Doorn, N.** (2011). 'Mental competence or capacity to form a will: An anthropological approach'. *Philosophy, Psychiatry & Psychology* 18(2): 135-145.
- [36] **Doorn, N.**, R.P.J.M. Raven, and L.M.M. Royakkers (2011). 'Distribution of Responsibility in Socio-Technical Networks: The Promest Case'. *Technology Analysis & Strategic Management* 23(4): 453-471.
- [37] **Doorn, N.** (2011). 'Forgiveness, Reconciliation, and Empowerment in Transitional Justice'. *International Journal of Humanities and Social Science* 1(4): 13-22.
- [38] **Doorn, N.** (2010). 'A procedural approach to distributing Responsibilities in R&D networks'. *Poiesis & Praxis. International Journal of Technology Assessment and Ethics of Science* 7(3): 169-188.
- [39] **Doorn, N.** and J.A. Nihlén Fahlquist (2010). 'Responsibility in Engineering. Towards a New Role for Engineering Ethicists'. *Bulletin of Science, Technology & Society* 30(3): 222-230.
- [40] **Doorn, N.** (2010). 'A Rawlsian Approach to Distribute Responsibilities in Networks'. *Science and Engineering Ethics* 16(2): 221-249.
- [41] **Doorn, N.** (2010). 'Applying Rawlsian approaches to resolve ethical issues: inventory and setting of a research agenda'. *Journal of Business Ethics* 91(1): 127-143.
- [42] **Doorn, N.** (2008). 'Forgiveness and Reconciliation in Transitional Justice Practices'. *Ethical Perspectives* 15(3): 381-98.
- [43] Sanchez-Arcilla, A., D. Gonzalez-Marco, **N. Doorn**, and A. Kortenhaus (2008). 'Extreme values for coastal, estuarine, and riverine environments'. *Journal of Hydraulic Research* 46 (extra 2): 183-90.

- [44] **Doorn, N.** (2008). 'Vergeving en Verzoening in Transitiepraak'. *Tijdschrift voor Herstelrecht* (in Dutch), 8(1): 41-52.
- [45] **Doorn, N.** (2008). 'Wilsbekwaamheid. Een antropologische benadering'. *Welzijnsgids – Gezondheidszorg, Gezondheidsethiek* (in Dutch), juni 2008: 75-86.
- [46] **Doorn, N.** (2007). 'Wilsbekwaamheid. Een antropologische benadering'. *Tijdschrift voor Gezondheidszorg en Ethiek* (in Dutch), 17(4): 99-104.

Refereed book chapters (16)

- [47] **N. Doorn** and S.O. Hansson (2017). 'Factors and margins of safety'. In: *Handbook of Safety Principles*. N. Möller, S.O. Hansson, J.-E. Holmberg, and C. Rollenhagen (eds.). Hoboken, New Jersey, John Wiley & Sons.
- [48] **Doorn, N.** (2016). 'Reasoning about uncertainty in flood risk governance'. In: *The Argumentative Turn in Policy Analysis*. S.O. Hansson and G.Hirsch Hadorn (eds.). Dordrecht, Springer, pp 245-263.
- [49] Toonen, Th. A. J. and **N. Doorn** (forthcoming). 'Good governance for the commons: Design for legitimacy' In: *The Design Turn in Applied Ethics*. Eds: M. J. Van den Hoven, S. Miller and Th. W. M. Pogge. Cambridge, Cambridge University Press.
- [50] **Doorn, N.** (2015). 'A procedural approach to distributing responsibilities'. *Moral Responsibility and the Problem of Many Hands*. I.R. van de Poel, L.M.M. Royakkers, and S.D. Zwart (eds.). New York, Routledge, pp. 167-186.
- [51] **Doorn, N.** (2014). 'Equity and the ethics of water governance'. In: *Infranomics - Sustainability, Engineering Design and Governance*. A. Gheorghe, M. Masera and P. F. Katina (eds.). Dordrecht, Springer, pp. 155-164.
- [52] **Doorn, N.** and S.O. Hansson (2014). 'Design for the value of safety'. In: *Handbook of Ethics and Values in Technological Design*. M. J. Van den Hoven, P. Vermaas, and I.R. Van de Poel (eds.). Dordrecht, Springer.
- [53] Nihlén Fahlquist, J.A., **N. Doorn** and I.R. Van de Poel (2014). 'Design for the value of responsibility'. In: *Handbook of Ethics and Values in Technological Design*. M. J. Van den Hoven, P. Vermaas and I.R. Van de Poel (eds.). Dordrecht, Springer.
- [54] **Doorn, N.** (2014). 'Assessment of an Ambient-Assisted-Living project: Between technology and application'. *Responsible Innovation Volume 1: Innovative Solutions for Global Issues*. M. J. Van den Hoven, N. Doorn, T. Swierstra, B.-J. Koops, and H. Romijn (eds.). Dordrecht, Springer, pp. 309-322.
- [55] **Doorn, N.**, D. Schuurbiens, I.R. Van de Poel and M.E. Gorman (2013). 'Early engagement and new technologies: Towards Comprehensive Technology Engagement?', In: *Early Engagement and New Technologies: Opening Up the Laboratory*. N. Doorn, D. Schuurbiens, I.R. Van de Poel, and M.E. Gorman (eds). Dordrecht, Springer, pp. 231-251.
- [56] Schuurbiens, D., **N. Doorn**, I.R. Van de Poel and M.E. Gorman (2013). 'Mandates and methods for early engagement', In: *Early Engagement and New Technologies: Opening Up the Laboratory*. N. Doorn, D. Schuurbiens, I.R. Van de Poel, and M.E. Gorman (eds). Dordrecht, Springer, pp. 3-14.
- [57] Van de Poel, I.R. and **N. Doorn** (2013). 'Ethical Parallel Research: A Network Approach for Moral Evaluation (NAME)', In: *Early Engagement and New Technologies: Opening Up the Laboratory*. N. Doorn, D. Schuurbiens, I.R. Van de Poel, and M.E. Gorman (eds). Dordrecht, Springer, pp. 111-136.
- [58] **Doorn, N.** (2013). 'Überlegungsgleichgewicht'. In *Handbuch Technikethik*. A. Grunwald (ed.). Stuttgart, J.B. Metzler, pp. 169-173.
- [59] **Doorn, N.** (2012). 'Realising social justice in the context of flood risk mitigation', Sections 7.3-7.4. In *Flood Risk and Social Justice. From Quantitative to Qualitative Flood Risk Assessment and Mitigation*, Z. Vojinović and M.B. Abbott (eds.), pp. 121-137. London/New York: IWA Publishing.
- [60] **Doorn, N.** (2012). 'Professional Responsibility in a Pluralist Society'. In *Advances in Business and Management. Volume 5*, Nelson, William D. (ed.), pp. 279-292. Hauppauge, NY: Nova Science Publishers.
- [61] **Doorn, N.** (2009). 'The Place of Forgiveness in Transitional Justice Practices'. In *Forgiveness: Probing the Boundaries*, Bloch-Schulman, S. and D. White (eds.), pp. 191-209. Oxford, United Kingdom: Inter-Disciplinary Press.
- [62] Morris, M.W., W. Allsop, F.A. Buijs, A. Kortenhuis, **N. Doorn**, and D. Lesniewska (2008), 'Failure modes and mechanisms for flood defence structures'. *Flood Risk Management: Research and Practice*. P. Samuels, S. Huntington, W. Allsop and J. Harrop. London, Taylor & Francis Group, pp. 693-701.

Published refereed conference proceedings (13)

- [63] Pigmans, K., H. Aldewereld, **N. Doorn**, and V. Dignum (2016), 'The Role of Values'. *BNAIC 2016*, Proceedings of the 28th Benelux Conference on Artificial Intelligence. November 10 – 11, 2016. Amsterdam, The Netherlands: pp. 178-179.
- [64] **Doorn, N.** (2016), 'Distributing responsibilities for safety from flooding', *FLOODrisk 2016. 3rd European Conference on Flood Risk Management*, France. E3S Web of Conferences 7, 24002 (2016), DOI: 10.1051/e3sconf/20160724002.
- [65] **Doorn, N.** (2010), 'Responsibility ascriptions and organizational structure: The case of OSS communities'. *ETHICOMP 2010: The "backwards, forwards and sideways" changes of ICT*, M. Arias-Oliva, T. W. Bynum, S. Rogerson and T. Torres-Coronas (eds). Tarragona, Spain, Universitat Rovira i Virgili: pp. 118-126.
- [66] **Doorn, N.** (2009), 'Responsibilities within an Ambient Assisted Living healthcare project'. *Ambient Intelligence and Human Security: Embedding Science in Society*. G. Van Steendam, R. Chadwick, P. McCarthy et al. Brussels, IFB Press: pp. 17-20.
- [67] Groeneweg, J., **N. Doorn**, M.J.A. Borsboom and A.R. van Dongeren (2004). Near-shore wave modelling with two coupled models: SWAN and TRITON. *Proc. 29th Int. Conf. on Coastal Engng*, Lisbon, pp. 868-880.
- [68] **Doorn, N.** and M.R.A. van Gent (2003). Pressures by breaking waves on a slope computed with a VOF-model. *Proc. Conf. on Coastal Structures*, J. Melby (ed.), pp. 728-739.
- [69] **Doorn, N.**, J. Groeneweg, O. Weiler and M.J.A. Borsboom (2002). Numerical modelling of ship-induced wave propagation. *Proc. 28th Int. Conf. on Coastal Engng*, Cardiff, pp. 689-701.
- [70] Groeneweg, J., **N. Doorn**, M.J.A. Borsboom and M.R.A. van Gent (2002). Boussinesq-type modeling of measured wave breaking on a circular shoal. *Proc. 28th Int. Conf. on Coastal Engng*, Cardiff, pp. 495-507.
- [71] Borsboom, M.J.A., J. Groeneweg, **N. Doorn** and M.R.A. van Gent (2001). Flexible Boundary Conditions for a Boussinesq-Type Wave Model. *Proc. of Waves 2001 Conference*, San Francisco, pp. 884-893.
- [72] Van Gent, M.R.A. and **N. Doorn** (2001). Numerical model simulations of wave propagation and wave run-up on dikes with shallow foreshores, *Proceedings of the 4th Coastal Dynamics Conference*, Lund, Sweden, pp. 769-778.
- [73] Borsboom, M.J.A., **N. Doorn**, J. Groeneweg and M.R.A. van Gent (2001). Near-shore wave simulations with a Boussinesq-type model including wave breaking. *Proc. of Coastal Dynamics 2001 Conference*, Lund, Sweden, pp. 759-768.
- [74] Borsboom, M.J.A., **N. Doorn**, J. Groeneweg and M.R.A. van Gent (2000). A Boussinesq-type model that conserves both mass and momentum. *Proc. 27th Int. Conf. on Coastal Engng*, Sydney, pp. 148-161.
- [75] Booij, N., L.H. Holthuijsen, **N. Doorn** and A.T.M.M. Kieftenburg (1998). Diffraction in a spectral wave model, *Proc. Third International Symposium on Ocean Wave Measurements and Analysis, WAVES'97*, pp. 243-255.

Other**Editorships (8)**

- [76] **Doorn, N.** and D.P. Michelfelder: *The Routledge Handbook of Philosophy of Engineering* (under contract).
- [77] **Doorn, N.** and Paolo Gardoni (forthcoming): Special issue on "Building resilient and sustainable infrastructures to improve social equity" (working title). In: *Sustainable and Resilient Infrastructures*.
- [78] **Doorn, N.**, Th. Thaler, S. Fuchs, S. Priest (forthcoming): Special issue on "Justice and flood risk management". In: *Regional Environmental Change*.
- [79] **Doorn, N.**, S.L.S. Spruit, and Z. Robaey (2016): Special issue on "New Technologies as Social Experimentation". In: *Science and Engineering Ethics*.
- [80] **Doorn, N.** and D.P. Michelfelder: Editor-in-Chief of *Techné: Research in Philosophy and Technology* (Journal of the Society for Philosophy and Technology).
- [81] **Doorn, N.**, M.J. van den Hoven and E.T. Oosterlaken: editor of the book series *Responsible Innovation*. Dordrecht: Springer.
- [82] **Doorn, N.**, E. Mostert and B. Broekmans (2013): Special issue on "Values and normative aspects in water governance" (in Dutch). In: *Water Governance*. Vol. 3(3).

- [83] **Doorn, N.** and I.R. van de Poel (2012): Special issue on “Moral Responsibility in Technology and Engineering”. In: *Science and Engineering Ethics*. Vol. 18(1).

Reviews (23)

- [84] **Doorn N.** (2017). ‘Book review: Wade L. Robison. Ethics within Engineering. An Introduction’, *Ethical Perspectives* 24(2), pp. 309-311.
- [85] **Doorn N.** (2017). ‘Book review: Pieter Adriaens en Andreas De Block, Born This Way. Een filosofische blik op wetenschap en homoseksualiteit’(in Dutch), *Ethische Perspectieven* 27(1), pp. 93-94.
- [86] **Doorn N.** (2016). ‘Book review: Patrick Riordan. Global Ethics and Global Common Goods’, *Ethical Perspectives* 23(3), pp. 564-565.
- [87] **Doorn N.** (2016). ‘Book review: Kasper Lippert-Rasmussen. Luck Egalitarianism’, *Ethical Perspectives* 23(3), pp. 563-564.
- [88] **Doorn N.** (2015). ‘Book review: Lara Buchak. Risk and Rationality & Martin Peterson. The Dimensions of Consequentialism: Ethics, Equality and Risk’, *Ethical Perspectives* 22(1), pp. 217-219.
- [89] **Doorn N.** (2014). ‘Book review: David Miller. Justice for Earthlings: Essays in Political Philosophy & Kok-Chor Tan. Justice, Institutions, & Luck: The Site, Ground, and Scope of Equality’, *Ethical Perspectives* 21(1), pp. 144-147.
- [90] **Doorn, N.** (2013). ‘Book Review: Handbook of Risk Theory: Epistemology, Decision Theory, Ethics, and Social Implications of Risk’, *Science and Engineering Ethics* 19(3), pp. 1409-1411.
- [91] **Doorn, N.** (2013). ‘Peter G. Brown and Jeremy J. Smith (eds.) Water Ethics: Foundational Readings for Students and Professionals’, *Journal of Agricultural and Environmental Ethics* 26(3), pp. 723-725.
- [92] **Doorn, N.** (2013), ‘Book review: Dan Shaw. Morality and the Movies: Reading Ethics Through Film. London Continuum, 212. 198 pp.’ *Ethical Perspectives* 20(2), pp. 353-354.
- [93] **Doorn, N.** (2012), ‘Christian Miller. The Continuum Companion to Ethics. London: Continuum, 2011. 355 pp.’ *Ethical Perspectives* 19(1), pp. 171-173.
- [94] **Doorn, N.** (2011), ‘Gerald A. Cohen. On the Currency of Egalitarian Justice, and Other Essays in Political Philosophy’ *Ethical Perspectives* 18(4), pp. 683-684.
- [95] **Doorn, N.** (2011), ‘Harry Brighouse and Ingrid Robeyns. Measuring Justice: Primary Goods and Capabilities’ *Ethical Perspectives* 18(3), pp. 452-455.
- [96] **Doorn, N.** (2011), ‘David R. Keller, ed. Environmental Ethics: The Big Questions / Stephen M. Gardiner, Simon Caney, Dale Jamieson, Henry Shue, eds. Climate Ethics: Essential Readings’ *Ethical Perspectives* 18(2), pp. 291-295.
- [97] **Doorn, N.** (2011), ‘Oskari Kuusela. Key Terms in Ethics. London: Continuum, 2011. 168 pp.’ *Ethical Perspectives* 18(2), pp. 298-299.
- [98] **Doorn, N.** (2010). ‘Aristoteles, Frank Ankersmit, Josine H. Blok, Midas Dekkers, Piet Gerbrandy, Bas Heijne, Luuk van Middelaar en Wouter Vanstiphout. Het politieke dier: De ontdekking van een soort’ (in Dutch), *Ethische Perspectieven*. Vol. 20 (4): 436-438.
- [99] **Doorn, N.** (2010). ‘Pieter D’Hoine en Bart Engelen, red. Denkbeelden: Van Film naar Filosofie’ (in Dutch), *Ethische Perspectieven*. Vol. 20 (1): 122-124.
- [100] **Doorn, N.** (2010). ‘Alexander Brown. Personal Responsibility: Why It Matters. London: Continuum, 2009. 214 pp.’, *Ethical Perspectives*. Vol. 17 (3): 500-503.
- [101] **Doorn, N.** (2010). ‘Robert Kirkman. The Ethics of Metropolitan Growth: The Future of the Built Environment. London: Continuum, 2010. 174 pp.’, *Ethical Perspectives*. Vol. 17 (3): 503-506.
- [102] **Doorn, N.** (2010). ‘James Garvey. The Ethics of Climate Change. Right and Wrong in a Warming World’, *Ethical Perspectives*. Vol. 17(1), pp. 125-127.
- [103] **Doorn, N.** (2010). ‘Paul Sollie and Marcus Düwell (eds): Evaluating New Technologies. Methodological Problems for the Ethical Assessment of Technology Developments’, *Science and Engineering Ethics*. Vol. 16(1), pp. 217-219.
- [104] **Doorn, N.** (2009). ‘Thomas M. Scanlon, Moral Dimensions. Permissibility, Meaning, Blame’, *Ethical Perspectives*. Vol. 16(2), pp. 263-264.
- [105] **Doorn, N.** (2009). ‘Lotte Asveld and Sabine Roeser (eds), Ethical aspects of technological risk’, *Science and Engineering Ethics*. Vol. 15(2), pp. 259-261.
- [106] **Doorn, N.** (2009). ‘Safeguards in a World of Ambient Intelligence; David Wright, Serge Gutwirth, Michael Friedewald, Elena Vildjiounaite, Yves Punic (eds)’, *Science and Engineering Ethics*. Vol. 15(1), pp. 125-27.

PRESENTATIONS

Conference presentations not listed under printed proceedings (30)

- [1] Cuppen, E., **N. Doorn**, B. Klievink and M. Taanman (2017). 'Crowd-based innovation: Governing transition of responsibilities'. *4th WINIR Conference on Institutions & Open Societies*, September 14-17, 2017, Utrecht, The Netherlands.
- [2] **Doorn, N.**, T. Thaler, and T. Hartmann (2017), 'Compensation for spatial flood measures in Austria, Germany, and the Netherlands: A social justice perspective'. *Seventh International Conference on Flood Management (ICFM7)*, September 5-7, 2017, Leeds, UK.
- [3] **Doorn, N.** (2017), 'Translating social resilience to engineering: How can resilient engineering systems contribute to social justice?'. *Biannual meeting of the Society of Philosophy and Technology (SPT)*, June 15-17, 2017. Darmstadt, Germany.
- [4] **Doorn, N.** (2017), 'Distributing responsibilities for climate adaptation: The ideal of resilient societies'. *3rd European Climate Change Adaptation Conference (ECCA)*, June 5-9, 2017, Glasgow, Scotland.
- [5] **Doorn, N.**, T. Thaler, and T. Hartmann (2017), 'Compensation for flood measures in Austria, Germany, and the Netherlands: A social justice perspective'. *American Association of Geographers (AAG) Annual Meeting 2017*, April 5 – 9, 2017, Boston, USA.
- [6] Pigmans, K., H. Aldewereld, **N. Doorn**, and V. Dignum (2016), 'The Role of Values'. *ECAI 2016*, August 29 – September 2, 2016. The Hague, The Netherlands.
- [7] **Doorn, N.** (2016), 'Distributing responsibilities in risk management: The example of flood risk governance. *Forum on Philosophy, Engineering & Technology (FPET)*, May 18-20, 2016. Nürnberg.
- [8] **Doorn, N.** (2015), 'A philosophical perspective on decision making under deep uncertainty'. *Workshop Decision Making under Deep Uncertainty*, November 3-5, 2015. Deltares/TU Delft/Rand Corporation, Delft.
- [9] U. Pesch, **Doorn, N.**, G. Bombaerts, N. Huits, and A. Hunka (2015), 'The publics and their pathologies: Responsible innovation of technologies with local impacts'. *4th International conference on Responsible Innovation: Responsible Innovation: A European Agenda?*. Netherlands Organization for Scientific Research (NWO), The Hague; August 24-25, 2015.
- [10] H. Alderwereld, **Doorn, N.**, K. Pigmans, and V. Dignum (2015), 'Value sensitive software development for participative decision making'. *4th International conference on Responsible Innovation: Responsible Innovation: A European Agenda?*. Netherlands Organization for Scientific Research (NWO), The Hague; August 24-25, 2015.
- [11] **Doorn, N.** (2015), 'The distribution of risks: An allocation principle for distributing reversible and irreversible consequences'. *SPT 2015: Technology and Innovation*. July 2-5, 2015. Northeastern University, Shenyang, China, Society for Philosophy and Technology.
- [12] **Doorn, N.** and B. Taebi (2015), 'The empirical turn in ethics of technology: On the possibility of using empirical data in the ethics of technology and engineering'. *SPT 2015: Technology and Innovation*. July 2-5, 2015. Northeastern University, Shenyang, China, Society for Philosophy and Technology.
- [13] **Doorn, N.** (2015), 'The distribution of natural risks: Reconciling efficiency and equity', *24rd Annual Meeting of the SRA-E*; June 15-17, 2015. University of Maastricht, The Netherlands, Society for Risk Analysis – Europe.
- [14] **Doorn, N.** (2014), 'The distribution of natural risks: Reconciling efficiency and equity'. *9th International Conference on Applied Ethics*. October 31 – November 2, 2014. Sapporo, University of Hokkaido, Japan.
- [15] **Doorn, N.** (2014), 'Framing stakeholder participation: From interests to building blocks'. *EASST2014: Situating Solidarities: social challenges for science and technology studies*. September 17-19, 2014. Torun, Copernicus University, Poland, European Association for the Study of Science and Technology.
- [16] **Doorn, N.** (2013), 'Water and justice: Towards an ethics of water governance'. *SPT 2013: Technology in the Age of Information*. July 3-6, 2013. ISEG, Technical University of Lisbon, Society for Philosophy and Technology.
- [17] **Doorn, N.** and I.R. van de Poel (2013), 'Responsibilities in regulating nano-cosmetics'. *SPT 2013: Technology in the Age of Information*. July 3-6, 2013. ISEG, Technical University of Lisbon, Society for Philosophy and Technology.
- [18] **Doorn, N.** (2012), 'Technologies as social experiments: Challenges for regulation and governance of risks'. *4th annual meeting of S.NET*, October 22-25, 2012. Enschede, Society for the Study of Nanoscience and Emerging Technologies.

- [19] **Doorn, N.** (2012), 'Equity and the ethics of water governance'. *Third International Engineering Systems Symposium*. Council of Engineering Systems Universities/Delft University of Technology, June 18-20, 2012. Delft.
- [20] **Doorn, N.** (2011), 'A procedural approach to distributing responsibilities in the soft regulation of nanotechnologies'. *Workshop Dilemmas of Choice: Responsibility in Nanotechnology Development*. Centre for Environmental Law Decisions and Corporate Ethical Certification (CIGA), University of Padua, June 6-7, 2011. Rovigo.
- [21] **Doorn, N.** (2011), 'A procedural model for distributing responsibilities in an Ambient Intelligence health care project'. *SPT 2011: Technology and Security*. University of North Texas, Society for Philosophy and Technology.
- [22] **Doorn, N.** (2011), 'Responsibility in an Ambient Intelligence health care project: Report of an ethical parallel research'. *Responsible Innovation - MVI*. The Hague, NWO / Delft University of Technology.
- [23] **Doorn, N.** & J.O. Kroesen (2010), 'Using and developing role plays in teaching aimed at preparing for social responsibility'. *International Workshop "Preparing for Social Responsibility"*, October 13-15, 2010. Delft.
- [24] **Doorn, N.** (2010), 'Responsibility ascriptions and organizational structure: The case of OSS communities'. *ETHICOMP 2010: The "backwards, forwards and sideways" changes of ICT*, M. Arias-Oliva, T. W. Bynum, S. Rogerson and T. Torres-Coronas (eds). Tarragona, Spain, Universitat Rovira i Virgili: pp. 118-126.
- [25] **Doorn, N.** (2009), 'Responsibilities within an Ambient Assisted Living healthcare project'. *Ambient Intelligence and Human Security: Embedding Science in Society*. G. Van Steendam, R. Chadwick, P. McCarthy et al. Brussels, IFB Press: pp. 17-20
- [26] **Doorn, N.** (2009), 'Reconciling fairness and efficacy in distributing responsibilities in engineering: Towards a new role for engineering ethicists'. *Annual Dutch Conference in Practical Philosophy 2009*. Doorn, The Netherlands.
- [27] **Doorn, N.**, I.R. Van de Poel, J.A. Nihlén Fahlquist, T. De Lima, L.M.M. Royakkers, S.D. Zwart (2009), 'Fairness and completeness in distributing responsibility: The case of engineering'. *International Conference on Moral Responsibility: Neuroscience, Organization & Engineering: Book of Abstracts*. N. Doorn, N.A. Vincent & J.A. Nihlén Fahlquist (eds). Delft, Technische Universiteit Delft, Faculteit der Technische Bestuurskunde: pp. 68-69.
- [28] **Doorn, N.** (2009), 'Forward-looking responsibilities in R&D networks'. *SPT 2009: Converging Technologies, Changing Societies*. University of Twente, The Netherlands, Society for Philosophy and Technology: pp. 162-164.
- [29] **Doorn, N.** and I.R. Van de Poel (2008), 'A Rawlsian approach to distribute responsibilities in R&D networks'. *Workshop on Philosophy and Engineering 2008*. London, WPE.
- [30] **Doorn, N.** and M.R.A. van Gent (2006). Estimates of uncertainties in near-shore hydraulic boundary conditions in design studies. *General Assembly of European Geosciences Union*, Vienna

MEDIA APPEARANCE (SELECTION)

- [1] Op-ed: Het Financieele Dagblad (Dutch national newspaper): "Solidariteit moet voorop staan bij aanpak overstromingsschade" (in English: Solidarity should be guiding in the financial compensation of flood damage), September 22, 2017.
- [2] Two contributions in edited volume targeted at lay audience: "Morality and unjust inequality" (together with Paulien Kleingeld) and "Climate justice", In N. Ellemers (ed.), *World of difference: A Moral Perspective on Social Inequality*. Amsterdam: Amsterdam University Press [also published in Dutch as *Wereld van verschil. Sociale ongelijkheid vanuit een moreel perspectief*].
- [3] Interview in Delta, "Why three TPM-researchers reach out to the media" (in Dutch), May 19, 2017.
- [4] Op-ed: Het Financieele Dagblad (Dutch national newspaper): "Denk ook aan verliezers van transitie naar een duurzame economie" (in English: Also consider the people who loose in the transition to a renewable economy), May 15, 2017 (together with Eefje Cuppen and Bram Klievink).
- [5] Op-ed: FluxEnergie: 'Maak het mogelijk dat mensen zonder eigen geld ook mee kunnen doen met de energietransitie', May 15, 2017 (together with Eefje Cuppen and Bram Klievink).
- [6] Het Experiment, Filosofie Magazine: "Het Experiment: Bestaat het neutrale getal?", November 2016.
- [7] Two contributions in edited volume targeted at lay audience: "Morality and unjust inequality" (together with Paulien Kleingeld) and "Climate justice", In N. Ellemers (ed.), *World of difference:*

- A Moral Perspective on Social Inequality*. Amsterdam: Amsterdam University Press [also published in Dutch as *Wereld van verschil. Sociale ongelijkheid vanuit een moreel perspectief*].
- [8] Interview in Delta, “Why three TPM-researchers reach out to the media” (in Dutch), May 19, 2017.
- [9] Op-ed: Het Financieele Dagblad (Dutch national newspaper): Climate Policy, May 15, 2017 (together with Eefje Cuppen and Bram Klievink).
- [10] Op-ed: FluxEnergie: ‘Maak het mogelijk dat mensen zonder eigen geld ook mee kunnen doen met de energietransitie’, May 15, 2017 (together with Eefje Cuppen and Bram Klievink).
- [11] Het Experiment, Filosofie Magazine: “Het Experiment: Bestaat het neutrale getal?”, November 2016.
- [12] Interview in Modulair, “Nadeelcompensatie en de nieuwe Omgevingswet” on the occasion of being the first LLM-graduate in the renewed master programme of the Open University, September 2016.
- [13] Guest editorial, TVVL Magazine, “Smart cities and value-laden technologies”, July/August 2016.
- [14] Interview in Business Spotlight, “Ethics in business and engineering”, Issue 1 (January-February) 2016.
- [15] Op-ed: Huffington Post: “Volkswagen Scandal Reveals Design Flaws: The Need for Value Conscious Design”, October 13, 2015 (together with Behnam Taebi).
- [16] Op-ed: Trouw (Dutch national news paper): “Volkswagendebacle is leerschool ontwerper”, September 29, 2015.
- [17] Op-ed: FluxEnergie: Maatschappelijk verantwoord innoveren vergroot de kans op een succesvolle (energie)transitie, Augustus 31, 2015.
- [18] Op-ed: Het Financieele Dagblad (Dutch national news paper): “Fossiele energie bestaat bij de gratie van wereldwijde miljardensubsidies”, July 28, 2015.
- [19] Op-ed: Thomson-Reuters: “Renewable poised to soar as 'game-changing' moment comes”, July 1, 2015.
- [20] Interview in Water21, “Water ethics and justice”, June 2015.
- [21] Interview for Dutch national radio (Radio 1) on the societal implications of the new water safety norms, October 2, 2014.
- [22] Interview in “Verschillende perspectieven op de nieuwe waterveiligheidsnormen”, Eline Bötger and Aline te Linde (eds.); interviews with leading water safety experts on the occasion of the new water safety norms in the Netherlands; published by Kennis voor Klimaat/Twynstra Gudde, 2014.
- [23] Interview in Quest/ExperimentNL “Overstromingen verdelen” on the occasion of my Veni-research, Thematic issue on Science in the Netherlands, December 2014.
- [24] Interview for Dutch national radio “De ochtenden” (Radio 1) on the environmental implications of using scrap metal for strengthening flood defense structures in the Eastern Scheldt area, March 27, 2014.

FELLOWSHIPS, GRANTS AND AWARDS (AMOUNTS IN 1000€; ONLY GRANTS > 10 K€ LISTED)

Personal grants, distinctions, and awards

- Westerdijk-grant, Netherlands Organization for Scientific Research (NWO) - personal grant (50k€)
- Veni-grant, Innovational Research Incentives Scheme, Netherlands Organization for Scientific Research (NWO) - personal grant, 2014-2018 (250k€)
- Finalist best Environmental Law LLM graduate 2014-2016, honorable mention.
- Short-list Dutch Engineer of the Year Election, 2014
- Viva400, Nominated in the category “Clever Head”, 2013
- Fellowship and research grant, Brocher Foundation for research on the ethical, legal and social implications of medical research and medical technologies, Geneva, Suisse, September – October 2011
- Personal research grant Centre for Ethics, Radboud University Nijmegen, November 2006 – March 2010 (35k€)
- Finalist best Dutch hydraulic engineering MSc graduate, 1997

Project grants

- Responsible Innovation (MVI) Scheme 2016, Netherlands Organization for Scientific Research (NWO) – Crowd-based Innovations: Governing Transitions of Responsibilities, 2017-2021 (total budget > 650k€)
- Responsible Innovation (MVI) Scheme 2014, Netherlands Organization for Scientific Research (NWO) - Frugal Innovations and Responsible Entrepreneurship: Case Studies in the Water and Health Sectors

- in East Africa, 2015-2019 (total budget > 500k€)
- Responsible Innovation (MVI) Scheme 2014, Netherlands Organization for Scientific Research (NWO) – Values4Water, 2015-2019 (total budget > 500k€)
- Grant for improvement online ethics education, Technical University Delft (60k€)
- Grant for organization expert seminar and conference, Centre for Ethics, Nijmegen, March 2010 (40k€)

SUPERVISION OF INDIVIDUAL PHD CANDIDATES

Daily supervisor/co-promotor:

- Thijs Slot (Philosophy & Crowd-based Innovations, Delft University of Technology, 2017-)
- Christine Milgram (Philosophy & Smart Urban Energy Systems, Delft University of Technology, 2016-)
- Rachel Howell (Philosophy, Economics, and Innovation, Delft University of Technology, 2015-)
- Klara Pigmans (Philosophy, Water and ICT, Delft University of Technology, 2015-)
- Mehdi Fasihi Harandi (Philosophy and Water Governance, Delft Univ. of Technology, 2015-2016; defense date June 9, 2016)
- Shannon Spruit (Philosophy and Technology, Delft University of Technology, 2012-2016; defense date January 27, 2017)

Advisor:

- Tristan de Wildt (Engineering Systems Design, Delft University of Technology, 2016-)

Member of examination committee

- Mehdi Fasihi Harandi (Delft University of Technology, Philosophy): “Hydrosystems as Multipractice Phenomena: A Normative Approach to Analysing Governance System Failures”; defense date June 9, 2016)
- Shannon Spruit (Delft University of Technology, Philosophy): “Managing the Uncertain Risks of Nanoparticles: Aligning Responsibility and Relationships”; defense date January 27, 2017)
- Ties Rijcken (Delft University of Technology, Hydraulic engineering): “EMERGO: the Dutch flood risk system since 1986”; defense date June 22, 2017.
- Koen Kramer (Wageningen University, Philosophy): “How safe should blood be”; January 16, 2018.
- Marie K.M. Charriere (Delft University of Technology, Civil engineering): “The Effectiveness of Risk Communication to Raise Awareness of Natural Hazards”, defense date January 22, 2018.
- Willemijn van Doorn – Hoekveld (Utrecht University, Law): “Distributional Effects of EU Flood Risk Management and the Law”, defense date January 29, 2018.