Curriculum Vitae (2024)

Prof. dr. ir. Caspar G. Chorus

(male, 1977)

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(current and past) Academic rank and main positions

2022 – now	Dean of the Faculty of Industrial Design Engineering	*TU Delft*
2020 – now	Co-founder, certificate-holder and scientific advisor	*Councyl*
2014 – now	Full professor of choice behaviour modelling	*TU Delft*
2023 – 2024	Program chair TU Delft | Campus Rotterdam	*TU Delft*
2019 – 2022	Head of Department: Engineering Systems & Services	*TU Delft*
2013 – 2018	Head of Section: Transport & Logistics	*TU Delft*
2010 – 2014	Associate Professor (tenured)	*TU Delft*
2008 – 2010	Assistant Professor (tenured)	*TU Delft*
2006 – 2008	Assistant Professor	*TU Eindhoven*

Education

2007	PhD (*cum laude* – highest distinction possible[1])	*TU Delft*
2002	MSc: Systems Engineering & Policy Analysis	*TU Delft*
2000	Propedeutics: Econometrics	*Erasmus U. Rotterdam*

Honors & Awards

- 2022: Best Teacher Award (*MSc Complex Systems Engineering & Management*), 1st place
    - Also: 2021 (1st place), 2019 (1st place)

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[1] …in the Dutch academic system. At TU Delft, 5% of dissertations receive the *cum laude*-predicament.

- 2022: Best Teacher Award (*MSc Transport, Infrastructure & Logistics*), 2nd place
  - Also: 2021 (1st place) and 2017 (1st place)
- 2020: Councyl named as one of twenty most promising university spin-offs worldwide[2]
- 2016: Consolidator Grant (*European Research Council – ERC*)
- 2014: Elected board member (*International Association of Travel Behaviour Research*)
- 2013: Highly commended journal-paper 2012 (*Environmental and Resource Economics*)
- 2012: VIDI-grant (*The Netherlands Organisation for Scientific Research – NWO*)
- 2012: Random regret minimization-model incorporated in NLOGIT-software [later also incorporated in LatentGold (2014), Stata (2020), and Apollo (2022) software]
- 2011: Curius-award 'What makes a good lecturer?' (*Student union, Faculty of TPM*)
- 2011: Invited testimony: public hearing on Dutch Railways (*the Netherlands Parliament*)
- 2010: VENI-grant (*The Netherlands Organisation for Scientific Research – NWO*)
- 2010: Best supervisor of the year-award (*The Netherlands TRAIL Research School*)
- 2009: Eric Pas dissertation prize (*International Association of Travel Behaviour Research*)
- 2008: Intelligent Transportation Systems Society dissertation award, second place (*IEEE*)
- 2007: BIVEC dissertation award (*BeNeLux Association of Transport Economists*)
- 2006: Transportation Science and Logistics best paper award, hon. mention (*INFORMS*)
- 2005: *Fulbright* doctoral student-scholarship

Grants obtained from the European Research Council (ERC) and the Netherlands Organization for Scientific Research (NWO)
NOTE: FOR BIGGER PROGRAMS, ONLY FUNDING FOR MY PART IS MENTIONED

Total: ± 4,489 KEuro

Single applicant, personal grant	(Sub-total: 3,054 KEuro)

2020 *"A human inspired compass for artificial intelligence"*
    NWO TakeOff grant for science based entrepreneurs, 40KEuro

2016 *"New discrete choice theory for understanding moral decision making behavior"*,
     ERC Consolidator Grant, 1,999 KEuro

2012 *"A regret-based paradigm for the ex-ante evaluation of transport policies"*,

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NWO-Vidi Grant 800 KEuro

2010 *"Regret-based models of mobility"*,

NWO-Veni Grant, 215 KEuro

Co-applicant	(Sub-total: 1,435 KEuro)
[Note: only funding for own sub-projects mentioned]	

2021 *"Dynamic decision support (BAIT)"* – NWO Take-off Phase II[3], 249 KEuro

2018 *"Urban Mobility Observatory"* – NWO Large Investments Grant [4]

2015 *"Automated Driving: Impact on travel and location choices"*, 235 KEuro (NWO)

2016 *"Universality and resilience in logistics networks"*, 137 KEuro (NWO)

2014 *"Traffic information and System optima"*, 160 KEuro (NWO)

2008 *"Analysis and Modeling of Accessibility Effects of ICT"*, 196 KEuro (NWO)

2008 *"Traveler Response to Unconventional Trends"*, 228 KEuro (NWO)

2008 *"Use of Supernetworks"*, 230 KEuro (NWO)

Professional positions & memberships

<u>*Within TU Delft + directly associated with TU Delft*</u>

Current (selection)

- 2022 – now: Dean of Faculty Industrial Design Engineering

  https://www.tudelft.nl/en/ide/about-ide/dean

- 2022/23/24 – now:

  o member of Climate Action Program advisory board;

  o member of the board of The Green Village,

  o member of the board of Robohouse Foundation.

  o Chairperson steering committee Recognition and Rewards

- 2020 – now: Scientific advisor, certificate-holder and co-founder of Councyl:

  - www.councyl.ai .

  - Helps organizations to digitize expertise and support decision-making processes

  - Spin-off of TU Delft / Delft Enterprises

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[3] Loan for university-spin offs, under favourable conditions.
[4] Total amount funded 2MEuro. Consists of a data warehouse infrastructure for mobility research. Break-down into sub-amounts not possible, as the project is an indivisible whole.

Recent

- (Sep 2023 – Jan 2024):
    - Program chair TU Delft | Campus Rotterdam.
    - Leading (jointly with vice-chair Han Derkx) the program related to the exploration and development of TU Delft's envisioned new campus in Rotterdam, with particular focus on education, research, and innovation.
- (2022 – 2023)
    - member of Innovation board for campus sustainability;
    - chair of standing committee on educational and study spaces.
- (2017 – 2022): Member of various ad-hoc strategic advice committees to Executive Board (*College van Bestuur*) TU Delft: Alumni affairs, Teaching-based academic careers, Research infrastructure, AI strategy, Size and Profile of TU Delft (Contours 2030).
- (2019 – 2022): Head of *Department of Engineering Systems and Services*
    - At Faculty of Technology, Policy and Management
    - 9M€ budget
    - 106 fte salaried employees, 147 headcount (excluding visitors)
- (2021 – 2022): Deputy Dean *Faculty of Technology, Policy and Management*
- (2018) Chair of Standing Career Committee

  Advises the Dean on tenure decisions and promotions to associate professor
- (2013– 2018) Section head

  Transport and Logistics Section (~35 fte at that time)
- (2013– 2018) Member of Management Team

  Department of Engineering Systems and Services

  [February & March 2018: Acting department head]
- (ongoing) Member and chair of various *Benoemingsadviescommissies* (BACs) whose task is to select new faculty members (assistant, associate and full professor level).

Outside TU Delft

- Standing committee-, panel-, and editorial board-memberships **(current)**:
    - (2014 – now) Editorial advisory board member

      Journal of Choice Modelling (listed in Journal Citation Reports)

- Editorial positions **(recent):**
    - (2008 – 2019) Editor-in-Chief

      European Journal of Transport and Infrastructure Research

      (Platinum open-raccess, listed in Journal Citation Reports)
    - *Steering committee: European Association for Research in Transportation*

      (hEART) (2017 – 2023)
    - (2020 – 2022) Member of the Editorial Board

      European Journal of Transport and Infrastructure Research

      (Platinum open-access, listed in Journal Citation Reports)
    - (2010 – 2019) Editorial board member

      Tijdschrift Vervoerswetenschap
    - (2020) Guest editor

      Special issue *Models of moral decision making* in *Journal of Choice Modelling*
    - (2018) Guest Editor

      Verkeerskunde (special issue on transport models – in Dutch)
    - (2014) Guest Editor

      Transportation – special issue for ADB10 and ADB40 TRB-committees (2014)
    - (2014 – 2022) *Academic Fellow of Netherlands Institute for Transport Policy Analysis*

      (KiM; think tank of the Ministry of Infrastructure and Waterworks)
    - (2013 – 2022) *Program committee (TRAIL Research School)*

      Inter-university research school for Transportation and Logistics PhD-research
- Host, organizer (selection):
    - Session "Human machine behavior and intent", *3rd Obfuscation workshop* (https://3rd.obfuscationworkshop.org/reception), May 2021
    - Special session (double) on "Moral choice models", *International Choice Modeling Conference*, Japan (August 2019), with Jürgen Meyerhoff & Ulf Liebe.
    - Conference of the *European Association of Research in Transportation* (hEART), Delft, Netherlands (September 2016), with Serge Hoogendoorn and Oded Cats.
    - Symposium *"Random regret minimization: State of the art and research challenges"*, Delft, Netherlands (September 2016), with Sander van Cranenburgh

- Workshop *"Behavioral choice models: Much ado about nothing?"*, International Choice Modeling Conference, Texas, USA (May 2015), with Stephane Hess.

- Committee-, panel-, and board-memberships (**selection, recent**):
  - *Programme Committee: International Choice Modelling Conference 2022*
  - *Board: International Association for Travel Behaviour Research (IATBR) 2014 – 2017*
  - *Traveler Behavior and Values Committee* (*Transportation Research Board*) *2008– 2017*
  - *Travel Survey Methods Committee* (*Transportation Research Board*) *2008 – 2017*
  - *Scientific committee 20th International Symposium on Transportation and Traffic Theory (ISTTT)*
  - *Scientific committee of the 6th Road Safety & Simulation International Conference*
  - *Scientific committee 18th and 20th Euro Working Group on Transportation*
  - *International Progam Committee 20th Euro Working Group on Transportation*
  - *Program committee 14th IFIP Conference on e-Business, e-Services and e-Society*
  - *Scientific committee of the BIVEC Transport Days: 2017, 2021*
  - *Sounding Board 'Robotics and Autonomous Systems in a Military Context'*
    The Hague Centre for Strategic Studies (HCSS)
  - *Local scientific advisory committee*
    IEEE Forum on Integrated and Sustainable Transportation Systems (ISTS 2020)
  - *Jury for best paper award of the International Choice Modelling Conference (ICMC)* 2017 (member), 2019 (chair)
  - *Jury for Eric Pas Award for best dissertation of the International Association for Travel Behaviour Research (IATBR)* 2019
  - *Netherlands Organization for Scientific Research (NWO)*
    - 2021/22: Chair of two evaluation panels within the Social Sciences and Humanities domain (Vidi): these panels together distribute appr. ten mid-career personal grants, worth 800,000 euro each
    - 2018/19: Member of evaluation panel *Social Sciences*, for the Open Competition for the Social Sciences & Humanities (which distributes 20M€ of funding)

- 2016/17, 2017/18: Chair of evaluation panel *Interdisciplinary domain* ('Domeinoverstijgend') of the Veni scheme (distributes approximately ten early-career personal grants, worth 250,000 euro each)
- 2014, 2015: Member of evaluation panel for the Social Sciences division – Vidi scheme (mid-career 800 KEuro personal grants)

- Other associations: Fellow / Staff member / Member / Affiliate:
  - *Choice Modelling Centre (Leeds University) – External affiliate*
  - *Netherlands Research School on Transport, Infrastructure and Logistics (TRAIL)*
  - *TU Delft Transport Institute*
  - *Netherlands Fulbright Alumni Association*
  - *Association for Innovational Research Scheme-researchers (NWO)*

Talks (selection)

Keynotes, plenary, invited talks

Workshop "Recent innovations in transport modeling" (Haifa, IL, 2009); workshop "Stated preference methods for climate change research" (Trento, IT, 2010); workshop "Theories of individual-level decision making" (London, UK, 2011); workshop "Impact of information on behaviors of travelers" (Washington DC, USA, 2013); hEART Summer School (Leeds, UK, 2014); Discrete choice workshop (Lausanne, CH, 2015); Strategic meeting of key scientists TU Delft (Rijswijk, NL, 2016); Environmental choice workshop (Warsaw, PL, 2016); Netherlands Institute for Transport Planning symposium (The Hague, NL, 2016); Velo-City Symposium (Nijmegen, NL, 2017); Urban Mobility Symposium (Amsterdam, NL, 2017); Twenty-five years of research in Technology, Policy and Management (Delft, 2017); European Working Group on Multicriteria Decision Aiding (Delft, 2018); Swiss Transport Research Conference (Ascona, CH, 2018); National Econometricians Day (Nieuwegein, 2019); Research School TRAIL 25 year jubilee (Utrecht, 2019), Workshop on collective Decision-making (U. of Amsterdam, 2019), Academy of International Relations (Netherlands Ministry of Foreign affairs, 2019), Netherlands Surgeons' Day (Noordwijk | online, 2020), World Museum Forum (National Museum of Korea | online, 2020); Arriba Symposium (Berlin, 2022); FMO Future of Finance (2023); IATBR Conference (Vienna, 2024).

Seminars (selection)

MIT (2005), Cornell University (2010), University of Toronto (2010), EPFL Lausanne (2012), Sydney University (2012), Leeds University (2012), Twente University (2015), Tilburg University (2015), VU University (2015), KU Leuven (2016), Stirling University (2017), Luxembourg University (2017), Netherlands Ministry of Foreign Affairs (2017), Groningen University (2018), Erasmus University Rotterdam (2018), Ben-Gurion University (2018), Vermont University (2018), TU Berlin (2018), Choice Modelling Centre Leeds University (2019), Netherlands Defense Academy (2019), Netherlands National Government Trainees lecture series (2019), Netherlands Association of Insurers (2020), KTH Stockholm (2020 | online), Netherlands Intensive Care Unit Fellows Association (2021 | online), Netherlands Neonatology Association (2021 | online), Netherlands Parliament (2021 | online), Baillie Gifford discovery session (2021); (young) Netherlands Association of Hospital Parmacists (Utrecht, 2021); Karlstad University (2023).

+ Many invited contributions to workshops, roundtables and symposia.

Supervision of PhD-students

Completed (13)

- Sander van Cranenburgh (Traveler response to unconventional trends; graduated 2013)
    - supervision team: van Wee (promotor), Chorus (daily supervisor)
- Chao Chen (Traveler use of supernetworks; graduated 2014)
    - supervision team: van Wee (promotor), Chorus (promotor & daily supervisor)
- Zack Lu (Accessibility measures for the information age; graduated 2015)
    - supervision team: van Wee (promotor), Chorus (promotor & daily supervisor)
- Mariska van Essen (Traffic info as a tool to move from UO to SO; graduated 2018)
    - supervision team: van Berkum (promotor, Twente University), Chorus (2nd promotor), Thomas (daily supervisor)
- Rick Wolbertus (Charging behavior of e-vehicle users; graduated 2020)
    - supervision team: Chorus (promotor), Robert van de Hoed (daily supervisor), Maarten Kroesen (daily supervisor)
    - **highlight:** selected as Techniektalent 2020 (De Ingenieur)
    https://www.deingenieur.nl/artikel/overstappen-naar-elektrisch-rijden
- Ahmad Alwosheel (Synthesis of machine learning and choice modeling; graduated 2020)
    - supervision team: Chorus (promotor), van Cranenburgh (daily supervisor)

- Baiba Pudane (Effects of automated driving on travel behavior; graduated 2021)
    - supervision team: Chorus (1st promotor), van Cranenburgh (2nd promotor)
    - **highlight:** received PhD *cum laude* (top 5%)
- Bing Huang (Reference dependence in travel choice behavior; graduated 2022)
    - supervision team: Chorus (1st promotor), van Cranenburgh (2nd promotor)
- Tanzhe Tang (Methods for explaining polarization of opinions; graduated 2022)
    - Supervision team: Chorus (promotor), Ghorbani (co-promotor)
- Andreia Martinho (Machine ethics; graduated 2022)
    - Supervision team: Chorus (1st promotor), Kroesen (2nd promotor)
- Teodóra Szép (Moral discrete choice theory; graduated 2022)
    - supervision team: Chorus (1st promotor), van Cranenburgh (2nd promotor)
- Mathijs de Haas (Travel behavior analysis using longitudinal data; graduated 2022)
    - Supervision team: Serge Hoogendoorm (1st promotor), Chorus (2nd promotor), Maarten Kroesen (co-promotor), Sacha Hoogendoorn (co-promotor)
- Tom van den Berg (Moral discrete choice theory; graduated 2023)
    - supervision team: Chorus (1st promotor), Kroesen (2nd promotor)

Current (2)
- Rachel Rietveld (Choice models to support judicial decision making; started 2019)
    - Supervision team: Evert Verhulp (1st promotor, U. of Amsterdam), Chorus (2nd promotor)
- Jeroen Delfos (Supervision of algorithms; started 2020)
    - Supervision team: Chorus (promotor), Sander van Cranenburgh (co-promotor), Anneke Zuiderwijk (co-promotor)

Supervision of Postdoctoral researchers
Completed (7)
- Thijs Dekker (Welfare economics for random regret minimization models)
  April 2013 – October 2014
- Sander van Cranenburgh (Random regret models for large scale transport modeling)
  June 2013 – Dec 2014
- Reto Tanner (Welfare economics for random regret minimization models)

May 2015 – October 2015

- Anae Sobhani (Moral discrete choice theory)
  October 2017 – October 2018
- Nicolas Cointe (Ethics in Multi-agent systems)
  August 2018 – February 2021
- Aemiro Daniel (Moral discrete choice models and experiments)
  November 2020 – December 2021
- Alexander Roocroft (Social routing based traffic equilibria)
  (March 2023 – February 2024)

Hosting of visitors (one week or longer)

- 2019 Alessandra Abeille (Imperial College London), three months
- 2018 Stephen Wong (UC Berkeley), three months – *winner of Eric Pas award*
- 2018 Erlend Sandorf (Swedish University of Agricultural Sciences), six weeks
- 2015 Manuel Cabral (Leeds University), one week

Journal refereeing (selection)

American Journal of Agricultural Economics; Artificial Intelligence Review; BMJ Open; Brain & Cognition; Case Studies in Transport Policy; Computers in Human Behavior Reports; Conservation Biology; Energy Policy; Energy Economics; Environment & Planning (Parts A, B); Environmental and Resource Economics; Ethics and Information Technology; European Journal of Operational Research; Expert Systems with Applications; Frontiers in Psychology; Health Economics; Health Policy; International journal of GIS; Journal of Advanced Transportation; Journal of Air Transport Management; Journal of Business Research; Journal of Choice Modelling; Journal of Cleaner Production; Journal of Consumer and Retailing Studies; Journal of Environmental Economics and Management; Journal of Expertimental and Theoretical Artificial Intelligence; Journal of Transport Economics and Policy; Journal of Transport Geography; Land Use Policy; Management Science; Nature Communications; Networks and Spatial Economics; PharmacoEconomics; Physica A; PLOS ONE; Public Administration Review; Research in Transportation Economics; Resources Conservation and Recycling; Scientometrics; Social Sciences; Sustainable Cities and Society; Systems Engineering; Theory and Decision; The Patient; Tourism Management; Transport

Findings; Transport Policy; Transport Reviews; Transportation; Transportation Research (Parts A, B, C, D, E, F); Transportation Science; Transportmetrica (Part A, B); Travel Behaviour and Society.

Other refereeing, advice and examination activities / committees of trust

- PhD-thesis examiner / committee-member:
    - Sydney University: Andrew Collins, Waiyan Leong
    - University of Western Australia: Ying Huang
    - KTH Stockholm: Jens West
    - TU Wien: Amani Elsayed
    - Imperial College London: Séverine Marechal
    - ITS Leeds: Manuel Cabral
    - University of Luxembourg: François Sprumont
    - VU University: Sergejs Gubins, Francis Ostermeijer
    - Twente University: Jaap Vreeswijk
    - TU Eindhoven: Iphi Psarra
    - Utrecht University: Nadisha-Marie Aliman
    - Erasmus University Rotterdam: Aiste Ruseckaite, Vikas Soekhai, Anirudh Kishore
    - TU Delft: Giselle Ramos, Tamara Djukic, Nannan Yu, Erik-Sander Smits, Apostolos Tzimoulis, Fey Liang, Fanchao Liao, Menno Yap, Duco de Vos, Masoud Khakdaman, Bruno Brito, Sanmay Shelat, Ignacio Hernandez, Necj Gerzinic.
- Funding agencies:
    - Canada Research Chairs
    - European Research Council (ERC Starting Grant scheme)
    - U.S. National Science Foundation (NSF)
    - Netherlands Organization for Scientific Research (NWO) – *see "committees"*
    - Israel Science Foundation (ISF)
    - Social Sciences and Humanities Research Council of Canada (SSHRC)
    - Research Foundation – Flanders (FWO)
    - Chilean National Science and Technology Commission (FONDECYT)
- Denmark University of Technology: Research assessment of Transport department (2015)

- Promotion files (tenure, full professor) at various international universities
- Eric Pas award external referee (IATBR): 2011, 2014, 2015, 2016, 2017
- International Choice Modelling Conference (ICMC) Best PhD-student Paper award – jury member/chair
- Liège University: FLOODLAND-project
- Albert-Ludwigs University Freiburg: FRIAS Fellowship Programme

Teaching: recent activities (up until 2022)

- TU Delft: Statistical analysis of choice behavior; MSc-level, Course manager and contributing lecturer (5 ECTS; ± 175 students)
  Responsible for course management and 50% of course content, with a focus on the MNL-model, Economic appraisal, Mixed Logit, Random regret and Taboo trade-off models.
- TU Delft: supervision of MSc-graduation projects (5 to10 students per year)
  As head of the graduation committee of individual student projects, I am responsible for quality of process and outcome, and coordination of daily supervision by the supervision team. The graduation project is worth 30 EC, and finalizes the student's MSc.

Some highlights:

Matthijs Brouns MSc runner up in Gas Industry Prize competition, for his thesis "Operational Scheduling in a Multi-Actor Environment using Multiagent Systems: A case study on Multiprocessor Task Problems in Liquid Bulk Terminals".

Matthijs de Haas MSc runner up in Best paper award at the 'Colloquium Vervoersplanologisch Speurwerk' for his thesis based paper "Travel Pattern Transitions: The effects of life events".

Bas Gerzon MSc interviewed in national newspaper de Volkskrant concerning his thesis on efficient use of EV-charging infrastructure. Research cited in follow up article as reason for imposing new tarriff structure.

Bart Overakker MSc: widespread media-attention for his finding that traffic fatalities caused by Automated Vehicles are weighted much more negatively than fatalities caused by conventional vehicles.

> **Mirjam van den Boogert MSc:** *runner up for Cuperusprijs for traffic and transport (Royal Institute of Engineers – KIVI). Thesis title: "Engaging the crowd in sensing for smart mobility".*

- TRAIL Research School: 3 day course Discrete choice theory; PhD-level (± 35 students)
  Responsible for course management (jointly) and 66% (i.e., two full days) of course content: the MNL-model, Economic appraisal, Mixed Logit-model, and Random regret.

Expertise transfer, outreach, media-appearances

Expertise transfer (selection)

The Netherlands Parliament; Royal Palace Amsterdam; Ministry of Infrastructure; Ministry of Finance; Dutch Road authority (Rijkswaterstaat); Dutch Railways; Netherlands Armed Forces/TNO Defense, Safety & Security; The Hague Centre for Strategic Studies; various other blue-chip companies, government agencies and consultancies.

Outreach (selection of public speaking activities)

Science Orientation Netherlands: Online lecture at selected high schools concerning moral decision making in the corona-crisis https://www.wonakademie.nl/won-online/

Studium Generale Delft. Two video mini-lectures about moral decision making in the corona-crisis: https://sg.tudelft.nl/recent-recordings/

Special session, Dag van het Gedrag, about the relation between 'soft' behavioral factors and unsustainable mobility behavior. (November 2019) https://www.binnldagvanhetgedrag.nl/

Young Professionals Event (Amsterdam); main speaker (February 2019).

Modern relations – Player or partner? Invited contribution to academic symposium hosted by Tilburgse Studenten Vereniging Plato (November 2017)

https://www.tilburguniversity.edu/nl/campus/academic-forum/show/Moderne-relaties-player-of-partner-/

Profesoren op het Podium ('Professors on Stage') – Theater aan het Vrijthof & Studium Generale Maastricht University (February 2017):

http://www.theateraanhetvrijthof.nl/voorstellingen/2017/02/theater-adhoc-professoren-op-het-podium-de-liefde/

Lecture at the Universiteit van Nederland ('University of the Netherlands'), broadcasted through national news-websites (September 2016).

http://www.universiteitvannederland.nl/college/hoe-bepaal-jij-met-wie-jij-wel-of-niet-gaat-daten/ (>100,000 views)

Lecture at The Netherlands Youth University ('Jeugduniversiteit'), Museum Boerhaave, Leiden (May 2015; 1 hour, 100 children between 8 and 12 years old attending)

Media-appearances: interviews on national radio

NOS Radio 1, Business News Radio, VPRO Noorderlicht, TELEAC Hoe?Zo!

Media-appearances: interviews in and contributions to newspapers / magazines

NRC Handelsblad, Volkskrant, Financieele Dagblad, AD, Telegraaf, DeStandaard, Metro, Staatscourant, Binnenlands Bestuur, Eindhovens Dagblad, OV Magazine, Technisch Weekblad, ANP, Nederlands Dagblad, TU Delta, CROW-Fietsberaad, FMO Waves of Change.

International research visits (one week or more)

- 2012: University of Sydney   (1 week, visiting professor)
- 2011: EPFL Lausanne   (1 week)
- 2010: Cornell University   (2 months, visiting scientist)
- 2009: Technion – Israel Institute of Technology (1 week, visiting scholar)
- 2005: Massachusetts Institute of Technology   (4 months, visiting doctoral student)

Publications:

- Reviewed international journal-publications
- Monographs
- Reviewed book-chapters
- Publications in Dutch scholarly and professional journals
- Opinion articles in Dutch newspapers and magazines

Reviewed international journal-publications

In Press / 2024

1. de Haas, M., Kroesen, M., Chorus, C.G., Hoogendoorn-Lanser, S., Hoogendoorn, S., 2024. Didn't travel or just being lazy? An empirical study of soft-refusal in mobility diaries. *Transportation*, 10.1007/s11116-023-10445-6

2. Liebe, U., van Cranenburgh, S., Chorus, C.G., 2024. Maximizing utility or avoiding losses? Uncovering decision rule-heterogeneity in sociological research with an application to neighborhood choice. *Sociological Methods and Research*, 10.1177 /00491241231186657

3. Martinho, A., Kroesen, M., Chorus, C.G., 2024. Moral foundations in gender violence cases decided in Portuguese courts. *European Journal of Criminology*, DOI: 10.1177/14773708241229505

4. Melkamu Daniel, A., van Exel, J., Chorus, C.G., 2024. Self-interest, positional concerns and distributional considerations in healthcare preferences. *The European Journal of Health Economics*, 10.1007/s10198-023-01597-4

5. Szep, T., van Cranenburgh, S., Chorus, C.G., 2024. Moral rhetoric in Discrete Choice Models: a Natural Language Processing approach. *Quality and Quantity*, 10.1007/s11135-023-01625-8

2023

6. Bhoopalam, A., van den Berg, R., Agatz, N., Chorus, C.G., 2023. The long road to automated trucking: Insights from driver focus groups. *Transportation Research Part C*, 156, 104351

7. Chorus, C.G., Melkamu Daniel, A., Mouter, N., 2023. For me or for my relatives? Approximating self-protection and local altruistic motivations underlying preferences for public health policies using risk-perception metrics. *Value in Health*, 26(1), 99-103

8. Hernandez, J.I., van Cranenburgh, S., Chorus, C.G., Mouter, N., 2023. Data-driven assisted model specification for complex choice experiments data: association rules learning and random forests for Participatory Value Evaluation experiments. *Journal of Choice Modelling*, 46, 100397

9. Smeele, N.V.R., Chorus, C.G., Schermer, M.H.N., de Bekker-Grob, E.W., 2023. Towards machine learning for moral choice analysis in health economics: a systematic literature review and research agenda. *Social Science and Medicine*, 326, 115910

10. Szep, T., van den Berg, T., Cointe, N., Melkamu Daniel, A., Martinho, A., Tang, T., Chorus, C.G., 2023. Give and take: Moral aspects of travelers' intentions to participate in a hypothetical established social routing scheme. *Cities*, 133, 104132

11. van Varseveld, O., ten Broeke, A., Chorus, C.G., Heyning, N., Kooij, E.M.W., Hulscher, J.B.F., 2023. Surgery or comfort care for neonates with surgical necrotizing enterocolitis: lessons learned from behavioral artificial intelligence technology. *Frontiers in Pediatrics*, 11:1122188

2022

12. van den Berg, T.G.C., Kroesen, M., Chorus, C.G., 2022. General moral values are poor predictors of concrete moral behavior in daily life: A Conceptual Analysis and Exploratory Empirical Study. *Frontiers Psychology,* 13:817860

13. de Haas, M., Kroesen, M., Chorus, C.G., Hoogendoorn-Lanser, S., Hoogendoorn, S., 2022. E-bike user groups and substitution effects: Evidence from longitudinal travel data in the Netherlands. *Transportation*, 49:815–840

14. Sandorf, E.D., Campbell, D., Chorus, C.G., 2022. A Simple satisficing model. *PLoS ONE,* 17(10): e0275339

15. Szep, T., van Cranenburgh, S., Chorus, C.G., 2022. Decision Field Theory: equivalence with probit models and guidance for identifiability. *Journal of Choice Modelling*, 45, 100358

16. Tang, T., Ghorbani, A., Chorus, C.G., 2022. Hiding opinions by minimizing disclosed information: an obfuscation-based opinion dynamics model. *Journal of Mathematical Sociology*, 46:4, 315-341

17. Tang, T., Ghorbani, A., Squazzoni, F., Chorus, C.G., 2022. Together alone: A group-based polarization measurement. *Quality and Quantity*, 56, 3587–3619

2021

18. Alwosheel, A., van Cranenburgh, S., Chorus, C.G., 2021. Why did you predict that? Towards explainable artificial neural networks for travel demand analysis. *Transportation Research Part C*, 128, 103143

19. van den Broek-Altenburg, E., Gramling, R., Gothard, K., Kroesen, M., Chorus, C.G., 2021. Exploring heterogeneity in moral terminology in palliative care consultations. *BMC Palliative Care*, 20:23

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Opinion articles in Dutch newspapers and magazines

2021

1. Chorus, C.G, 2021. "Niet uitruil maar compromis moet centraal staan in coalitieonderhandelingen", *de Volkskrant*, 25 mei, pagina 20

2020

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2016

3. Chorus, C.G, 2016. "TU moet helpen om burn-outs te voorkomen" – Hoe om te gaan met werkdruk en burn-out onder wetenschappers. *TU Delta*, February-issue

2015

4. Chorus, C.G, 2015. Stop met competitiedenken in wetenschapsbeleid. *Het Financieele Dagblad*, 13 mei 2015, pagina 9

2011

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15. Chorus, C., van Wee, G.P., 2008. TomTom werkt, maar is bij lange na niet compleet. *Trouw*, 11 juli 2008, Katern 2, Pagina 6

Refereed (full paper or abstract) Conference Contributions

For reasons of brevity, I choose not to list full biographical details of (co-)authorships of conference contributions. My (team's) work has been presented at all major conferences in choice modeling and transportation. In addition, my team and I have presented our work at numerous other prominent conferences, symposia and workshops in the fields of artificial intelligence, social simulation, health, environmental economics, marketing, behavioral economics, and operations research.

Past teaching experience

TU Delft (Department of Technology, Policy and Management) – 2008-now

- *Quantitative models in transport and logistics*: (2009-2013) Course manager, lecturer

- *Research methods and data collection*: (2008-2010) Course manager, lecturer

- *Graduation coordinator* (2008-2009): responsible for graduation procedures

TU Eindhoven (Department of Architecture, building and Planning) – 2006-2008

- *Research methodology exercise (7W278)*: Supervisor of groups of students.

- *Research skills (7W020)*: Course founder, course manager, lecturer.

- *Urban Plans (7W230)*: Lecturer.

- *Advanced Techniques for Urban Modeling and Planning (7M834)*: Lecturer.

- *Graduation project (7MM37)*: Supervisor.

TRAIL Research School and TPM Graduate school (PhD-education)

- *Discrete choice modeling*: (2009, 2011) With Harry Timmermans and Michiel Bliemer

- *Publishing in academic journals:* (2010-2018) With Vincent Marchau

- *Research Frontiers in Technology, Policy and Management*

Fontys Academy of Architecture and Urbanism – 2008-2009

- *Research Course I*: Lecturer.

Hasselt University (MSc Verkeerskunde)

- *Capita Selecta Verkeer*: Guest-lecturer.