

DR JACKY BOURGEOIS: CURRICULUM VITAE

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POSITION AND EDUCATION

Record of Employment

| Year | Position | Employer |
|-------------|---|--|
| 2018 - now | Tenure-Track Assistant Professor in Data-Centric Design | Section Knowledge and Intelligence Design, Department of Sustainable Design Engineering, Faculty of Industrial Design Engineering (IDE), Delft University of Technology, The Netherlands Group Internet of Things, |
| 2016 - 2018 | Postdoctoral Researcher , working on the Internet of Things as a design tool | Department of Sustainable Design Engineering, Faculty of Industrial Design Engineering (IDE), Delft University of Technology, The Netherlands |

Education

| Year | Title | Institution | Thesis / Specialization |
|------|------------------------------|--|---|
| 2016 | Dual PhD in Computer Science | The Open University, UK Université Rennes 1, France | <i>Interactive Demand-Shifting in the Context of Micro-Generation</i> |
| 2012 | M.Eng. in Computing | Université Rennes 1, France | <i>Internet of Things and Building Science</i> |

TEACHING AND SUPERVISION ACTIVITIES

Teaching Activities

| Year | University | Course | Role |
|-------------|------------|--|-----------------------|
| 2022 - now | TU Delft | IOB2-2 Digital Product Development (BSc compulsory) | Course Coordinator |
| 2021 | TU Delft | IO1075 Software-Based Product (BSc compulsory) | Course Coordinator |
| 2019 - 2020 | TU Delft | ID5415 Prototyping Connected Products (MSc Elective) | Course Coordinator |
| 2019 | TU Delft | IO-MI-22-222 Data-Driven Design Approach, 2-week block as part of Designing for Sustainability Transition (BSc Minor) | Responsible Lecturer |
| 2018 - now | TU Delft | ID4175 Smart System Technology, expertise area as part of Advanced Embodiment Design (MSc compulsory) | Responsible Lecturer |
| 2020 | TU Delft | TB2431A Interconnected World | Guest Lecturer |
| 2019 - 2020 | TU Delft | ID5452B Developing Data-Driven Products | Course Co-coordinator |
| 2019 - 2020 | TU Delft | ID5452A Designing Data-Driven Products | Responsible Lecturer |
| 2017 - 2020 | TU Delft | IO3040 Software | Responsible Lecturer |
| 2018 - 2019 | TU Delft | ID4216 Context and Conceptualisation | Theme Expert |

Supervision PhD Students

| | Year | Student | Title | Funding |
|--------|------------------------|------------------------|---|-------------------------------------|
| PHD.4. | Sept. 2023 | <i>Open position</i> | <i>Feedback mechanism for cancer patients through a data-centric, human-centred design approach</i> | <i>PROMISE project</i> |
| PHD.3. | Mar. 2021 – <i>now</i> | Wo Meijer | <i>Digital Twin for Data-Centric e-bike design</i> Wo is expected to defend in 2025 | <i>Smart Connected Bike project</i> |
| PHD.2. | Oct. 2020 – <i>now</i> | Di Yan | <i>Material for Effective Data-Informed Reflection</i> Di is expected to defend in 2024 | <i>CSC Grant</i> |
| PHD.1. | May 2020 – <i>now</i> | Alejandra Gomez Ortega | <i>Meaningfully Informed Data Donation</i> Alejandra is expected to defend in 2024 | <i>Starting Package</i> |

Supervision Master Theses

| | Year | Student | Title | Partner |
|--------|------|--------------------------|---|-------------------|
| Ms.31. | 2023 | Sinyoung Ahn | <i>Towards Designerly Data Donation in Practice</i> | <i>The Valley</i> |
| Ms.30. | 2022 | Ming Lieu | <i>Designing for habit formation of device regulated breathing exercises</i> | Somnox |
| Ms.29. | 2022 | Bent Verhoeff | <i>Increasing Empathy Towards Gig Workers with Heart Rate Data</i> Published [WS.10.] | |
| Ms.28. | 2022 | Parastou R. Ghanavati | <i>Tailored and adaptive coaching for Cardiac Rehabilitation</i> | Philips |
| Ms.27. | 2022 | Akari Takada | <i>NavAware: Data-centric design of a user-aware navigation agent for blind mobility</i> Showcased at DDW '22 | Bartimeus |
| Ms.26. | 2021 | Laetitia van Wijnen | <i>A strategic design of a data-driven, in-vehicle service system</i> Strategic Embargo | Ford |
| Ms.25. | 2021 | Pim Verhoeven | <i>Setting the stage for expertise and exploration</i> | COALA |
| Ms.24. | 2021 | Stijn Smook | <i>Breaking the Innovational Standstill in Dutch Primary Education</i> | Faqa |
| Ms.23. | 2021 | Yen-Heng Chang | <i>Design for information flow between data scientists and researchers</i> | Ford |
| Ms.22. | 2021 | Bryan Yip | <i>Somnox Mini: A portable breathing regulation device for stress management</i> | Somnox |
| Ms.21. | 2021 | Siqi Hao | <i>Data as a creative material supporting ideation in Ford</i> | Ford |
| Ms.20. | 2021 | Tomas H. Huala | <i>FairData: A system to explore datasets and let researchers become aware of bias</i> | TUD EEMCS |
| Ms.19. | 2021 | Javier Poves | <i>Service Design for Supportive Health Systems</i> | Clear |
| Ms.18. | 2020 | Jiahao Lu | <i>Not so big: Making data less overwhelming for designers</i> Published [I.C.11.] | Ford |
| Ms.17. | 2020 | Sijie Tong | <i>Data Donation: Engage Users in Ethical Data-driven Design</i> | |
| Ms.16. | 2020 | Sum Leung | <i>Macomi Maintenance: A user-centric data-analytic platform for railway maintenance planning optimisation</i> | Macomi |
| Ms.15. | 2020 | Wenyang Chang | <i>Tailoring personalized breathing rhythms of a Sleep Robot</i> | Somnox |
| Ms.14. | 2020 | Karsten Bakker | <i>Digital lockout routines</i> | TWTG |
| Ms.13. | 2020 | Tessa Mellema | <i>Aito Sound: A proof of concept exploration for haptics and sound with piezoelectrics</i> | Aito |
| Ms.12. | 2020 | Tjapko Vermeulen | <i>The making of a smart pillow</i> Showcased at DDW '20 | |
| Ms.11. | 2020 | Jeroen van Welsenens | <i>Blockchain as a Solution to Collective Servitization</i> | Leiden University |
| Ms.10. | 2019 | Pablo Ferreras Chumillas | <i>Exploring the adoption of the DataBox in the University</i> | |
| Ms.9. | 2019 | David de Witt | <i>Guidelines for designing Blockchain based bike-sharing services</i> | TWTG |
| Ms.8. | 2019 | Xueyao Wang | <i>Understanding the values in the context of Wi-Fi access data</i> | |
| Ms.7. | 2019 | Marie de Groot | <i>An Internet of Things vision for Quooker</i> | Quooker |
| Ms.6. | 2019 | Lucia Tramutola | <i>Data Sharing for a Circular Economy</i> | Circularise |

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|-------|------|-------------------------|---|-----------|
| Ms.5. | 2019 | Liz Espinosa de la Rosa | Connecting through Information: Design and Data to foster Democracy Published [WS.8.] | |
| Ms.4. | 2019 | Juin-Tyng Dai | Explore the untapped digital data of neglected tropical disease | SODO |
| Ms.3. | 2019 | Nazli Yilmaz | Designing Communication Triggers for the Flexible Office Setting | AMS |
| Ms.2. | 2019 | Dhaval Shah | A Day in a Wheelchair | TUD EEMCS |
| Ms.1. | 2018 | Jesper Voorendt | Designing an assistive wearable technology for children with AD(H)D | PilotFish |

PROFESSIONAL ACTIVITIES

Funding

The following tables list funding and projects I acquired since joining TU Delft. So far, I have secured 0.8M€ in European, National, and institutional funding. Legend: **Tot**: project total budget; **TUD**: TU Delft budget in the project.

| Year | K€ | Agency | Name | Partners |
|---|-----------------------|--------|--|---|
| National. Total: 3467K€; TU Delft: 608K€ | | | | |
| 2023 | Tot: 1283 TUD: 308 | KWF | PROMISE : Patient in the lead in remote oncological care: the prospective, multicentre implementation study | Erasmus MC, LUMC, Netherlands Cancer Institute, Microsoft, LifeSignals, |
| 2021 | Tot: 2184 TUD: 300 | NWO | Smart Connected Bike | TU Twente, UvA, Accell, SWOV |

| Year | K€ | Agency | Name | Partners |
|---|-----------------------|----------|----------------------------|--|
| European. Total: 1000K€; TU Delft: 161K€ | | | | |
| 2018 | Tot: 161 TUD: 1000 | Erasmus+ | IoT Rapid Proto Lab | Haaga-Helia, Leiden Univ, Timisoara Univ, 247Grad, Houston Consult., Bruno Kessler Fond. |

| Year | K€ | Agency | Name | Partners |
|---|---------|-------------------|---|-----------|
| Institutional. Total: 50K€; TU Delft: 50K€ | | | | |
| 2022 | Tot: 10 | TUD OSCD | Data-Centric Design Community | |
| | Tot: 15 | TUD IDE | Data-Centric Delft Design Lab | |
| 2021 | Tot: 15 | 4TU.NIRICT | Smart Bikes | TU Twente |
| 2019 | Tot: 10 | TUD DDfV | Responsible Internet of Things Data Research | TUD EWI |

Contribution to the Organisation

| Year | Activity |
|-------------|--|
| 2021 - now | Director of the Data-Centric Delft Design Lab |
| 2022 - now | Member of the <i>Board of Studies</i> (OKIO), responsible for the IPD Master |
| 2022 - 2023 | Representative Tenure-Tracker on <i>Department MT</i> |
| 2021 - now | Member of the <i>Selection Committee</i> IPD Master |
| 2018 - now | Coordinator <i>Honours Programme</i> Master for IPD |
| 2018 - now | Member of the PowerWeb Institute <i>Executive Committee</i> |

Outreach

| Year | Activity |
|------------|---|
| 2022 - now | Host bi-monthly Lives and Podcasts on Conversations about Data-Centric Design |
| 2023 | Showcasing the DataSlip project at the TUD library, Delft Maker Faire , SURF event "Your secrets are safe with us", appearing Delta and SURF Communities |

| | |
|-------------|---|
| 2022 | Showcased Master Thesis outcome at the Dutch Design Week, <i>NavAware</i> by Akara Takada |
| 2022 | Led Research Elective at the Dutch Design Week <i>Craftmanship Ethnography</i> |
| 2020 | Showcased Master Thesis outcome at the Dutch Design Week, <i>Making of a Pillow</i> by Tjapko Vermeulen |
| Year | Media Presence |
| 2020 | Column Design United Magazine, <i>Juggling with Data</i> |
| 2020 | IDE video series on Inside Delft Design, <i>Designing with Data</i> |

Conference and Workshop Organisation

| Year | Activity |
|-------------|--|
| 2023 | General co-Chair of the CHI '23 Special Interest Group on <i>Data as Human-Centred Design Material</i> |
| 2023 | Program Committee Member Design & AI Symposium |
| 2022 - now | General Chair of the Bi-Monthly conversations on Data-Centric Design |
| 2022 | Program co-Chair Design United Workshop and Exhibition 'Neo-Craftmanship' as part of the Dutch Design Week |
| 2022 | Program co-Chair of PowerWeb annual conference. Social meet Technical |
| 2022 | General co-Chair of the CHI '22 Special Interest Group on Data as Human-Centred Design Material |
| 2022 | General co-chair of the MozFest workshop on <i>Data Donation: but first, what is in my data?</i> |
| 2020 | General co-Chair of the MobilHCI'20 workshop on <i>DatEthics: Ethical Data-Centric Design of Intelligent Behaviour</i> |

COMPLETE PUBLICATION LIST

Refereed International Conferences

- I.C.14. Gomez Ortega, Alejandra, Jacky, Bourgeois, and Gerd, Kortuem. "Understanding the challenges around design activities that incorporate behavioural data". In **ICED'23** International Conference on Engineering Design. Cambridge University Press, 2023.
- I.C.13. Gomez Ortega, Alejandra, Jacky, Bourgeois, and Gerd, Kortuem. "What is Sensitive About (Sensitive) Data? Characterizing Sensitivity and Intimacy of Google Assistant Speech Records". In **CHI '23** Conference on Human Factors in Computing Systems. ACM, 2023.
- I.C.12. Gomez Ortega, Alejandra, Jacky, Bourgeois, and Gerd, Kortuem. "Reconstructing Intimate Contexts through Data Donation: A Case Study in Menstrual Tracking Technologies". In **NordiCHI '22** Nordic Human-Computer Interaction Conference. ACM, 2022.
- I.C.11. Lu, Jiahao, Alejandra Gomez, Ortega, Milene, Gonçalves, and Jacky, Bourgeois. "The Impact of Data on the Role of Designers and their Process". In **ICED '21** International Conference on Engineering Design. Cambridge University Press, 2021.
- I.C.10. Bourgeois, Jacky, and Gerd, Kortuem. "Towards Responsible Design with Internet of Things Data". In **ICED '19** International Conference on Engineering Design. Cambridge University Press. 2019.
- I.C.9. Bourgeois, Jacky, Gerd, Kortuem, and Fahim, Kawsar. "Trusted and GDPR-Compliant Research with the Internet of Things". In **IoT 8th** International Conference on the Internet of Things. ACM, 2018.
- I.C.8. Fiore, Eleonora, and Jacky, Bourgeois. "On the meaningfulness of data in product design for lifetime optimization". In **PLATE** Product Lifetimes and The Environment. 2017.
- I.C.7. Bourgeois, Jacky, Stefan, Foell, Gerd, Kortuem, Blaine A., Price, Janet, Linden, Eiman Y., Elbanhawy, and Christopher, Rimmer. "Harvesting Green Miles from My Roof: An Investigation into Self-Sufficient Mobility with Electric Vehicles". In **UbiComp '15** International Joint Conference on Pervasive and Ubiquitous Computing. ACM, 2015.
- I.C.6. Bourgeois, Jacky. "Interactive demand shifting: in the context of emerging energy technologies". In **SustainIT** Sustainable Internet and ICT for Sustainability. 2015.
- I.C.5. Bourgeois, Jacky, Gerd, Kortuem, Johann, Bourcier, Janet, Linden, Blaine A, Price, and Benoit, Baudry. "Energy Demand Shifting in Residential Households: The Interdependence between Social Practices and Technology Design". In **BEHAVE** Behavior and Energy Efficiency Conference.2014.
- I.C.4. Bourgeois, Jacky, Janet, Linden, Gerd, Kortuem, Blaine A., Price, and Christopher, Rimmer. "Conversations with My Washing Machine: An in-the-Wild Study of Demand Shifting with Self-Generated Energy". In **UbiComp'14** International Joint Conference on Pervasive and Ubiquitous Computing. ACM, 2014.
- I.C.3. Bourgeois, Jacky, Janet, Van Der Linden, Gerd, Kortuem, and Christopher, Rimmer. "Using Participatory Data Analysis to Understand Social Constraints and Opportunities of Electricity Demand-Shifting". In **ICT4S** 2nd International Conference on ICT for Sustainability. 2014.
- I.C.2. Price, Blaine A, Janet, Linden, Jacky, Bourgeois, and Gerd, Kortuem. "When looking out of the window is not enough: informing the design of in-home technologies for domestic energy microgeneration". In **ICT4S** First International Conference on Information and Communication Technologies for Sustainability. ETH Zurich, 2013.
- I.C.1. Kortuem, Gerd, Janet, Linden, Blaine, Price, and Jacky, Bourgeois. "Information Interfaces for Domestic Energy Microgeneration". In **Digital Future** Conference. 2012.

Refereed International Journals

- J.R.1. Admiraal, Wilfried, Lysanne, Post, Pengyue, Guo, Nadira, Saab, Sari, Makinen, Ohto, Rainio, Johanna, Vuori, Jacky, Bourgeois, Gerd, Kortuem, and Gerard, Danford. "**Students as Future Workers: Cross-border Multidisciplinary Learning Labs in Higher Education**". *IJTES International Journal of Technology in Education and Science* 3, no. 2 (2019): 85–94.

Editorial Contributions

- ED.1. Bourgeois, Jacky, and Maaïke, Kleinsmann. "**AIEDAM thematic collection: a perspective on data-enabled design – design meet data science**". *AI EDAM* 37 (2023): e7.

Book Chapters

- I.B.1. van Boeijen, Annemiek G.C., Daalhuizen, Jaap, Zijlstra, Jelle, J. (2020). **Delft Design Guide: Perspectives, models, approaches, methods**. (2nd ed.) BIS Publishers.

Workshops and Posters

- WS.10. Meijer, Wo, Verhoeff, Bent, Verma, Himanshu, Bourgeois, Jacky. "Fast Drink: Mediating Empathy for Gig Workers". In **CHI '23 EmpathCH** workshop on Unraveling Empathy-Centric Design. ACM, 2023
- WS.8. Gomez Ortega, Alejandra, Jacky, Bourgeois, and Gerd, Kortuem. "**Towards Designery Data Donation**". In **UbiComp '21** SensiBlend workshop on *Sensing Blended Experiences in Professional and Social Contexts*. ACM, 2021.
- WS.8. Espinosa de la Rosa, Liz, Bourgeois, Jacky, Mulder, Ingrid. "Design to Foster Democratic Dialogues: Connecting through Information". In **DIS '20** workshop on Making Civic Initiative Last. 2020
- WS.7. Bourgeois, Jacky, Songshan, Liu, Gerd, Kortuem, and Derek, Lomas. "**Towards a Domain-Specific Design Platform for Wheelchair User Well-Being**". **UbiComp '18** Wellcomp workshop on *Computing for Wellbeing*. ACM, 2018.
- WS.6. Kortuem, Gerd, and Jacky, Bourgeois. "**The Internet of Things for the Open Sharing Economy**". In **UbiComp'16** workshop on *IoT Horizons*. ACM, 2016.
- WS.5. Bourgeois, Jacky, Gerd, Kortuem, Benoit, Baudry, Janet, Linden, Johann, Bourcier, and Blaine A., Price. "**Understanding and Supporting Emerging Domestic Energy Practices**". In **British HCI** workshop on *Sustainable HCI in the UK*. 2015.
- WS.4. Kortuem, Gerd, Jacky, Bourgeois, Janet, Linden, and Blaine A., Price. "**Participatory Data Analysis: A New Method for Investigating Human Energy Practices**". In **ICT4S'14** workshop on *A social practice perspective on the smart grid*. 2014.
- WS.3. Bourgeois, Jacky, Johann Bourcier, Benoit Baudry, Janet van der Linden, Gerd Kortuem, and Blaine A. Price. "iEMS: Interactive Energy Management System in the Context of Domestic Generation". In **ICT4S '14 Poster Session**. 2014.
- WS.2. Bourgeois, Jacky, Janet van der Linden, Blaine A. Price, and Gerd Kortuem. "Sustainable Load Shifting in the Context of Domestic Energy Generation". In **UbiComp'13 Doctoral School**. ACM, 2013.
- WS.1. Bourgeois, Jacky, Janet van der Linden, Blaine Price, and Gerd Kortuem. "**Technology probes: experiences with home energy feedback**". In **CHI '13** workshop on *Methods for Studying Technology in the Home*. ACM, 2013.