

University Academic Curriculum Vitae

Personal information

Name: Seçil Uğur Yavuz
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Education since leaving school

- 2005, Bachelor in Industrial Product Design; Istanbul Technical University.
- 2007, Master in Product, Service, System Design; Politecnico di Milano.
- 2008 I-NOVA, a specialization program of the Poltrona Frau Group, hosted by the Scuola Politecnica di Design (SPD) in Milan.
- 2012, PhD in Design, Department of Design, Politecnico di Milano (The Degree of Doctor of Philosophy in Design with the Doctor Europaeus Certification) - (2010 August-November, Visiting PhD scholar in Designing Quality in Interaction Group, in Wearable Senses Lab, Eindhoven University of Technology)

Academic experience

- Associate Professor - Faculty of Design & Art, Free University of Bozen-Bolzano October 2021- today
- Research Fellow (RTD-A)- Faculty of Design & Art, Free University of Bozen-Bolzano October 2015- October 2021
- Collaborator – at POLI.design, Consortium of Politecnico di Milano, 2012-2015.
- Since November 2018, she is habilitated by the Italian ASN for associate professorship in Design (08/C1, SSD ICAR/13).

Experience in academic teaching

From - to	Course name	University	Academic Level	Subject Area
2025-2026 WS	Project 3- Thesis Preparation (90h)	unibz	Master in Eco-Social Design	08/C1 ICAR13
2024-2025	Research Through Design (10h)	unibz	PhD in Experimental Research through Design, Art and Technology	08/C1 ICAR13
2024-2025 SS	Project 2 (90h)	unibz	Master in Eco-Social Design	08/C1 ICAR13
2023-2024	Designing Technology with/for Children (26h)	unibz	Master in Design for Children	08/C1 ICAR13
2023-2024 SS	Design Research 2 (30h)	unibz	Master in Eco-Social Design	08/C1 ICAR13
2022-2023	Designing Technology with/for Children (26h)	unibz	Master in Design for Children	08/C1 ICAR13
2022-2023 WS	Project 3- Thesis Preparation (90h)	unibz	Master in Eco-Social Design	08/C1 ICAR13
2021-2022 WS -SS	Design Research 1-2 (60h)	unibz	Master in Eco-Social Design	08/C1 ICAR13
2021-2022 WS	Project 3- Thesis Preparation (90h)	unibz	Master in Eco-Social Design	08/C1 ICAR13
2020-2021	Designing Technology with/for Children (20h)	unibz	Master in Design for Children	08/C1 ICAR13

2020-2021 WS - SS	Design Research 1-2 (60h)	unibz	Master in Eco-Social Design	08/C1 ICAR13
2020-2021 WS	Digital Modelling (60h)	unibz	Bachelor in Design	08/C1 ICAR13
2019-2020 SS	Design & Production (60h)	unibz	Master in Eco-Social Design	08/C1 ICAR13
2019-2020 WS	Digital Modelling (60h)	unibz	Bachelor in Design	08/C1 ICAR13
2018-2019 SS	Design & Production (60h)	unibz	Master in Eco-Social Design	08/C1 ICAR13
2018-2019 SS	Digital Modelling (60h)	unibz	Bachelor in Design	08/C1 ICAR13
2018-2019 WS	Digital Modelling (60h)	unibz	Bachelor in Design	08/C1 ICAR13
2017-2018 SS	Digital Modelling (60h)	unibz	Bachelor in Design	08/C1 ICAR13
2017-2018 WS	Digital Modelling (60h)	unibz	Bachelor in Design	08/C1 ICAR13
2016-2017 SS	Digital Modelling (60h)	unibz	Bachelor in Design	08/C1 ICAR13
2016-2017 WS	Digital Modelling (60h)	unibz	Bachelor in Design	08/C1 ICAR13
2015-2016 SS	Digital Modelling (60h)	unibz	Bachelor in Design	08/C1 ICAR13
2015-2016 WS	Digital Modelling (60h)	unibz	Bachelor in Design	08/C1 ICAR13

Other academic responsibilities

Appointments to Academic, University, and International Boards

- Member of Faculty Council, Faculty of Design and Art (unibz)
- Member of Study Course Council, Master's Programme in Eco-social Design (as Programme Director) (unibz)
- Member of Academic Board, PhD Programme in *Experimental Research through Design, Art and Technologies* (unibz)
- Member of Academic Board, National PhD Programme in *Design for the Made in Italy: Identity, Innovation, Sustainability* (unibz)
- Member of Competence Centre for Mountain Innovation Ecosystems (unibz)
- Member of Intellectual Property Committee (unibz)
- Member of Social Design Network
- Member of International Advisory Board, *Journal of Jewellery Research (JJR)* (ISSN 2516-337X)

Research Projects

SCIENTIFIC RESPONSIBILITY (formal PI of funded projects):

2023-25 INTRA – Designing Human-Data Intra-actions (funding:UNIBZ)

2020-21 Co-create: Co-Designing Connected Objects With And For Children In Remote (funding:UNIBZ)

2019-21 Fabric(A)-Crafting New Fabrics Acrossing Traditional Craft, Digital Fabrication And E -Textiles (funding:UNIBZ)

2017- 19 CO-STORY-Co-Designing Smart object-based storytelling with children (funding:UNIBZ)

2015-18 TANA-Tangible Narrators (funding:UNIBZ)

SIGNIFICANT CONTRIBUTION to the following projects:

2023-25_DsooE – Dialoguing Species: Designing Common Worlds through Ethnography (funding: PRIN 2022), as team member of the Unibz team.

2022-25_Inest: Interconnected Nord-Est Innovation Ecosystem (funding: PNNR) as team member of Spoke 1: Ecosystems for Mountain Innovations.

2022-24_Change Agents: Erasmus+ Strategic Partnership project (funding: Erasmus+) as team member of the Unibz team.

2022-24_DIL- District Innovation Lab (funding: European Social Fund) as PI of the Unibz team.

2022-23_Treesense (funding: WORTH Partnership Project 2 - EU Commission programme) as Co-I.

2021- 24_DIYR – Do It Yourself Redefined - Exploring the innovative potential of DIY electronics (funding: UNIBZ) as team member.

2021 – 22_GENZ - Representing Gender in Unibz (funding: UNIBZ)as team member.

2019- 22_Civic Tech as Commons (funding: UNIBZ)as team member.

2019-22_TROM: Towards the Realm of Materiality. Designing Philip K. Dick's Non-Existing Devices Through Transmedia Processes (funding: UNIBZ) as team member.

2019-20_WEARABLE PLAY: E-textile toys for digital natives (funding: WORTH Partnership Project - EU Commission programme) as Co-I.

2018-22_SSP-Sustainable Smart Parasites (funding: UNIBZ) as team member.

2018-22_INNOCELL: From food waste to bio-degradable products (funding: UNIBZ) as team member.

Publications

Books – Authored

- **Ugur, S.** (2013) *Wearing Embodied Emotions: A practice based design research on wearable technology*, Springer-Verlag Mailand. Doi: 10.1007/978-88-470-5247-5

Contributions in books

- **Ugur Yavuz, S.** (2024). *Fabulative Materialization for Collective Dreaming of Response-able Future(s)* (, Ill.). In *Towards the Realm of Materiality - Designing Philip K. Dick's Non-existing Technologies* (pp. 60–69). Nero.
- Duarte, G., Facchetti, A., & **Ugur Yavuz, S.** (2024). *A Matter of Adaptation?* (, Ill.). In *Towards the Realm of Materiality: Designing Philip K. Dick's Non-existing Technologies* (pp. 12–33). Nero.
- Menendez Blanco, M., Moretti, M., & **Ugur Yavuz, S.** (2024). *From data to concerns: gender equity in higher education* (, Ill.). In *2CO3-COMmunicating COMplexity* (pp. 176–185). Francoangeli. <https://bia.unibz.it/esploro/outputs/bookChapter/From-data-to-concerns-gender-equity/991006910212401241#file-0>
- **Ugur Yavuz S** (2023). *See it from the Other Side – Towards decentering “the human” in design*. In Camillini G. (Eds), *Diplorama! 2023 Sorting Out Solutions* (catalogue) (pp. 44-48).
- **Ugur Yavuz, S.** (2022). *Co-sewing a social fabric*. In Buffa, A, Modugno, R, Righetto, A, (Eds), *Co-generating a social fabric*. Franzlab. (pp.89-91)
- **Ugur Yavuz S.** (2022). *“MASAL: Bridging between two cultures through storytelling with an interactive e-textile toy”*, *Senses & Sensibility 2019*, Springer Series in Design and Innovation, ISSN: 2661-8184
- Cohen, N., Sicher E., **Ugur Yavuz S.**, (2022). *“From Agricultural Waste to Microbial Growth and (G)Local Resilience”*, *Senses & Sensibility 2019*, Springer Series in Design and Innovation, ISSN: 2661-8184
- Biagi L., Comai S., Mangiarotti R., Matteucci M., Negretti M. and **Ugur Yavuz S.** (2017) *“Enriching Geographic Maps with Accessible Paths Derived from Implicit Mobile Device Data Collection”*. In: Shin'ichi K. and Roussos G. (eds) *Enriching Urban Spaces with Ambient Computing, the Internet of Things, and Smart City Design*. IGI Global, 89-113. Doi:10.4018/978-1-5225-0827-4.ch005
- Cappellieri A., Tenuta L., **Ugur Yavuz S.** (2017) *“The Role of Design for the Brand Identity of Jewellery”*. In: Thieme W. (eds) *Luxusmarkenmanagement*. Springer Gabler, Wiesbaden, 253-260. Doi: 10.1007/978-3-658-09072-2_12

Journal Papers in refereed academic journals

- **Ugur Yavuz, S.**, Bektaş, M., & Ayala Garcia, C. (2024). *FERAL WOOL: Designing with a vibrant matter with care and cosmoeological perspective in times of troubled abundance*. *Inmaterial* , 9(17), 10–45. <https://doi.org/10.46516/inmaterial.v9.204>
- Cohen N, Sicher E, Ayala Garcia C, Merino Sanchez-Fayos I, Conterno L, **Ugur Yavuz S** (2023) *Innocell Bioreactor: An Open-Source Development to Produce Biomaterials for Food and Packaging Based on Fermentation Processes*. *Fermentation Journal*.
- **Ugur Yavuz , S.** (2022). *E-Mending Workshop: Healing the broken bonds between people and garments with e-textiles*. *Educazione Interculturale*, 20(1), 13–22.
- Schubert, J., **Ugur Yavuz, S.**, & Fuad-Luke, A. (2021). *Procedural artifacts for design inquiry/Artefatti nell'indagine progettuale*, *Disegno Industriale Industrial Design*, diid, #71. ENG: ISBN 9788832080506, ITA: ISBN 9788832080445, p.112-119
- Fuad-Luke, A., **Ugur Yavuz, S.**, Sy, C, Schubert, J., Krois, K. (2020). *Action-centred design to find opportunities in times of multiple crises: Designing a toolkit from a participatory conference*, *DISCERN Journal*, Vol 1, Nr 1, ISSN 2184-6995
- Cohen N, Sicher E., **Ugur Yavuz S.** (2020). *Designing with microbial cellulose to feed new biological cycles*, *International Journal of Food Design: Volume 4, Issue 2*, pages 155-171, ISSN: 2056-6522, Online ISSN: 2056-6530, https://doi.org/10.1386/ijfd_00003_1
- **Ugur Yavuz S**, (2016). *Diventare un “nomade intelligente” - Becoming the “smart nomad”*, diid. *Disegno Industriale Industrial Design, Travel Design*, 78-83. ISSN 19828, ISBN 978-88-89819- 8-6
- **Ugur Yavuz S**, Bordegoni M, Carulli M. (2016). *A design practice on communicating emotions through sensory signals*, *Concurrent Engineering: Research and Applications Journal*, 1-10. Doi:10.1177/1063293X16678440
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Conference Proceedings

- Bektaş, M, **Uğur Yavuz, S.**, De Marchi, M and Gualtieri, L. (2025). WOLB Wollelab – Exploring Human-Wool-Cobot Entanglements through Design. In Proceedings of the 16th Biannual Conference of the Italian SIGCHI Chapter (CHIItaly '25). Association for Computing Machinery, New York, NY, USA, Article 97, 1–3. <https://doi.org/10.1145/3750069.3755955>
- **Uğur Yavuz, S.**, Bektaş, M., Palmieri, T., Kofler, I., van Bezooijen, A., & Tenin, G. (2025). More-than-Verbal Tools: Making Participation Tangible and Embodied through Ad-hoc Design Tools When Working with Migrant Women. Designing Transformative Change: The Potential of Collaboration and Creativity in Crises: Proceedings of the Social Design Network's Conference »on the Verge: Design in Times of Crisis«, 165–179. <https://doi.org/10.14361/9783839476031-012>
- **Uğur Yavuz, S.**, Bektaş, M., & Ayala Garcia, C. (2025). Materializing More-than-Human Data by Mapping Wools. Data as Experiential Knowledge and Embodied Processes, 1–16. <https://doi.org/10.21606/eksig2025.106>
- **Uğur Yavuz, S.**, Menendez Blanco, M., Fruhstorfer, A., & Modugno, R. L. (2025). Designing Embodied Interactive Experiences on Environmental Issues. CHIItaly 2025: Proceedings of the 16th Biannual Conference of the Italian SIGCHI Chapter: Technologies and Methodologies of Human-Computer Interaction in the Third Millennium, Salerno, Italy, 6 – 10 October 2025, Article 82. <https://doi.org/10.1145/3750069.3750156>
- Honauer, M., **Uğur Yavuz, S.**, & Kuusk, K. (2024). TREESENSE: Sensitising Children to Nature through Embodied Play. In Proceedings of the 23rd Annual ACM Interaction Design and Children Conference (IDC '24). Association for Computing Machinery, New York, NY, USA, 639–643. <https://doi.org/10.1145/3628516.3659425>
- Menendez Blanco, M., Fruhstorfer, A., & **Uğur Yavuz, S.** (2024). “The Secret Life of...” Revealing Plastic Microfibre Emissions through an Embodied Experience. NordiCHI '24 Adjunct: Adjunct Proceedings of the 2024 Nordic Conference on Human-Computer Interaction , Article 18. <https://doi.org/10.1145/3677045.3685433>
- Kuusk, K., Honauer, M., & **Uğur Yavuz, S.** (2024). Walkstorming: Embodied design with/through/in the environment. Proceedings of Relating Systems Thinking and Design, RSD13, 1–7. <https://bia.unibz.it/esploro/outputs/conferenceProceeding/Walkstorming-Embodied-design-withthroughin-the-environment/991006863397201241#file-0>
- Sicher E, **Uğur Yavuz S**, Cohen N (2023). Designing matter across scales with microorganisms: The MMMM (Micro-Mezzo-Macro-Meta) approach. Proceedings of International Conference 2023 of the Design Research Society Special Interest Group on Experiential Knowledge (EKSIG).
- **Uğur Yavuz, S.** (2022). Call to Care: Summary Of The Online Workshops During the DoD Care Beyond Crises Conference. Care Beyond Crises: Proceedings of By Design or By Disaster Conference (17- 19.12.2021) ISBN: 978-88-947139-3-0
- Cohen N, Sicher E, Merino I, **Uğur Yavuz S.** (2022). An Open-Source Bioreactor Enhancing Microbial Cellulose Production and Novel Sustainable substances. In: (a cura di): Scholz SG;Howlett R J;Setchi R, Sustainable Design and Manufacturing. KES-SDM 2021. Smart Innovation, Systems and Technologies, vol 262.. p. 77-86, Springer, Singapore, ISBN: 978-981-16-6127-3, Split, 16.9.2021 - 17.9.2021, doi: https://doi.org/10.1007/978-981-16-6128-0_8
- Menendez-Blanco M., **Uğur Yavuz S.**, and Schubert J. (2021). Interactive Experiences. In CHIItaly 2021: 14th Biannual Conference of the Italian SIGCHI Chapter (CHIItaly '21). ACM, New York, NY, USA, Article 43, 1–2.
- Menendez-Blanco M., **Uğur Yavuz S.**, Schubert J., Fogli D., Paterno F. (2021) CHIItaly 2021 Joint Proceedings of Interactive Experiences and Doctoral Consortium, CHIItaly 2021 Joint Proceedings of Interactive Experiences and Doctoral Consortium, July 11–13, 2021, Bolzano, Italy
- Cohen N, Alt P, **Uğur Yavuz S** (2021). DIYR - DIY-Redefined, exploring the innovative potential of designing DIY electronics. In: Proceedings of the Fab 16 Research Papers Stream. p. 181-190, Hogeschool Rotterdam, Montreal, 9.8.2021 - 15.8.2021, doi: <https://doi.org/10.5281/zenodo.5169846>
- Gumus Ciftci H. & **Uğur Yavuz S.** (2021) CEYIZLAB: Crafting a speculative manifesto. Proceedings of Biennial International Conference for the Craft Sciences, University of Gothenborg, May 2021.
- **Uğur Yavuz, S.**, Kuusk K, Honauer, M. (2021) Designing Somatic Play for Digital Natives through a Body-centric Design Process. In Proceedings of Design Culture(s)- Cumulus Roma 2021, 8-11 June 2021.
- **Uğur Yavuz, S.**, Veske, P., Scholz, B., Honauer, M. and Kuusk, K. (2021). Design for Playfulness with Interactive Soft Materials: Description document. In Proceedings of the Fifteenth International Conference on Tangible, Embedded, and Embodied Interaction (TEI '21). Association for Computing Machinery, New York, NY, USA, Article 67, 1–4. DOI:<https://doi.org/10.1145/3430524.3442702>
- Schubert, J. & **Uğur-Yavuz S.** (2020). Designing Cross-Scalable Infrastructures, In Proceedings of Sense & Sensibility conference, Lisbon, Nov 2019, ISBN 978-989-54829-3-1
- **Uğur Yavuz S.** (2020). Fabric(a): Co-crafting Textiles with Robots. In Proceedings of the 8th International Conference on Human-Agent Interaction (HAI '20). Association for Computing Machinery, New York, NY, USA, 242–244. DOI:<https://doi.org/10.1145/3406499.3418770>
- Honauer, M. **Uğur Yavuz, S.** and Kuusk, K. (2020). WORM-E: An Interactive Toy Enriching Children's Bodily and Social Play. In Companion Publication of the 2020 ACM Designing Interactive Systems Conference (DIS' 20 Companion). Association for Computing Machinery, New York, NY, USA, 333–336.

- Bonetti R, Cohen N, **Ugur Yavuz S**, (2019) “Enabling relationships in a co-creative process with children”, In Proceedings of RTD Conference Method & Critique, Delft, 19-22 March, 2019 doi: <https://doi.org/10.6084/m9.figshare.7855919.v3>
- Bonetti, R, **Ugur Yavuz, S.**, Cohen, N. (2018). Emotion Capsule _A New Form of Communication Designed Together with Teenagers. Proc. of Future of Education Conference, PIXEL, 18th Edition, Florence, Italy. ISBN: 978-88-3359-020-2 ISSN: 2384-9509
- Gennari R, Melonio, A., **Ugur Yavuz, S.** (2018). Prototyping for Investigating Affective Objects with and for Children. Proc. of Fifth International Workshop on Cultures of Participation in the Digital Age - CoPDA 2018 Castiglione della Pescaia, Italy, May 29, 2018. CEUR-WS Vol-2101 urn:nbn:de:0074-2101-9. ISSN: 1613-0073.
- **Ugur Yavuz S.** & Cohen N. (2018) “Making Textiles Talk- An Experimental E-Textile Workshop” In: Proceedings of D_TEX Textile Design Conference 2017: Textiles, Identity and Innovation, Lisbon, 2-4 November, 2017, Taylor & Francis.
- Januário V, Salvado R, **Ugur Yavuz S**, (2018) “Sustainable Textiles – A review on Strategies for Product Lifetime Extension”. In: Proceedings of D_TEX Textile Design Conference 2017: Textiles, Identity and Innovation, Lisbon, 2-4 November, 2017, Taylor & Francis. DOI: 10.1201/9781315100210-65
- **Ugur Yavuz S**, Bonetti R, Cohen N, (2017). Designing the Next Smart Objects together with Children, DESIGN FOR NEXT: Proceedings of the 12th European Academy of Design Conference. Sapienza University of Rome, 12-14 April 2017. The Design Journal, edited by Loredana Di Lucchio, Lorenzo Imbesi, Paul Atkinson, ISBN 978-1-138-09023-1
- **Ugur Yavuz S**, Cohen N, Salvado R, Araújo P, (2016) “Wandering With Textiles”, Proceedings of DESIGNA 2016: Erro(r); International Conference on Design Research, Universidade da Beira Interior, 24/25 November 2016; UBI University of Beira Interior, ISBN: 978-989-654-359-4
- **Ugur Yavuz S**, Bonetti R, Cohen N, (2016) “When objects tell stories: Children designing future smart objects”, In Proceedings of 6th STS Italia Conference: Sociotechnical Environments, Italian Society of Science and Technology Studies, Trento. ISBN: 978-88-940625-1-9
- Bernabei R, Cappellieri A, Tenuta L, **Ugur Yavuz S**, (2016) “CAD/CAM and Jewellery Design Education”, In: Proceedings of Making Futures 2015: Craft and the return of the maker in a post-global sustainably aware society, Plymouth College of Art, Making Futures, ISSN: 2042-1664
- Comai, S., Kayange, D., Mangiarotti, R., Matteucci, M., **Ugur Yavuz, S.**, Valentini, F. (2015) “Mapping city accessibility: review and analysis”. In: Proceedings 13th International Conference on Advancing Assistive Technology and eAccessibility for People with Disabilities (AAATE 2015), Budapest, Hungar. ISBN: 978-1-61499-565-4
- Biagi L., Comai S., Grec F. C., Mangiarotti R., Matteucci M., Negretti M., **Ugur Yavuz S.**, Visconti M.G. (2015) “The MEP project: Map for Easy Paths”. In: proceedings del FOSS4G Europe 2015 Symposium (Free and Open Source for Geospatial Europe Conference) – Como, Luglio 2015. ISSN 1591-092X
- **Ugur Yavuz S**, Bordegoni M, Carulli M, (2015). “A Design Practice on Communicating Emotions Through Visual, Tactile and Auditory Simulations” In Proceedings of ICoRD’15 –Research into Design Across Boundaries Volume 2, Smart Innovation, Systems and Technologies Volume 34, 2015, pp. 279-289.
- **Ugur Yavuz S**, (2014) “Enhancing Corporeal Boundaries through Technology”, In: Proceedings of the 5th STS Italian Conference: A Matter of Design: Making Society through Science and Technology, STS, ISBN: 978-90-78146-05-6
- **Ugur S**, Bordegoni M, Carulli M. (2012). “Can Wearable Technology Enhance Emotional Intimacy? An experimental design research”. In: Proceedings of 8th International Conference on Design and Emotion: Out of Control D&E, ISBN: 978-0957071926
- Bordegoni M, **Ugur S**, Carulli C, (2012) “When Technology Has Invisible Hands: Designing Wearable Technologies for Haptic Communication of Emotions”, ASME 2012 International Design Engineering Technical Conferences and Computers and Information in Engineering Conference: ASME Volume 2: 32nd Computers and Information in Engineering Conference, Parts A and B, Chicago, Illinois, USA, August 12–15, 2012.
- **Ugur S**, Bordegoni M, Wensveen SGE, Mangiarotti R, Carulli M, (2011) “Embodiment of Emotions through Wearable Technology”, Proceedings of the ASME International Design Engineering Technical Conferences and Computers and Information in Engineering Conference - 2011: Volume 2: 31st Computers and Information in Engineering Conference, Parts A and B, Washington, DC, USA, August 28–31, 2011. Doi: 10.1115/DETC2011-47845
- **Ugur S**, Mangiarotti R, Bordegoni M, Carulli M, Wensveen SAG, Duncker IL, (2011) “An experimental research project: wearable technology for embodiment of emotions”. In: Proc. of the 2011 Conference on Designing Pleasurable Products and Interfaces, ACM, ISBN: 978-1-4503-1280-6.
- Ferraro V. and **Ugur S.** (2011). “Designing wearable technologies through a user centered approach”. In: Proceedings of the 2011 Conference on Designing Pleasurable Products and Interfaces (DPPI ‘11). ACM, New York, NY, USA, Article 5, 8 pages.