References

- [1] O. I. des Constructeurs d'Automobiles, "Passengers cars world vehicles in use," 2015.
- [2] List of countries by vehicles per capita. [Online]. Available: https://en.wikipedia.org/wiki/List_of_countries_by_vehicles_per_capita
- **"**68% [3] U. Nations. of the world population projected urban 2050, to live in areas by says un." [Online]. Available: https://www.un.org/development/desa/en/news/population/ 2018-revision-of-world-urbanization-prospects.html
- [4] S. Shaheen, D. Sperling, and C. Wagner, "Carsharing in europe and north american: past, present, and future," 1998.
- [5] R. Katzev, "Car sharing: A new approach to urban transportation problems," *Analyses of Social Issues and Public Policy*, vol. 3, no. 1, pp. 65–86, 2003.
- [6] F. Bardhi and G. M. Eckhardt, "Access-based consumption: The case of car sharing," *Journal of consumer research*, vol. 39, no. 4, pp. 881–898, 2012.
- [7] S. Shaheen and A. Cohen, "Innovative mobility: Carsharing outlook carsharing market overview, analysis, and trends." 2020.
- [8] T. Litman, "Evaluating carsharing benefits," *Transportation Research Record*, vol. 1702, no. 1, pp. 31–35, 2000.
- [9] S. A. Shaheen and A. P. Cohen, "Carsharing and personal vehicle services: worldwide market developments and emerging trends," *International journal of sustainable transportation*, vol. 7, no. 1, pp. 5–34, 2013.

- [10] C. Rydén and E. Morin, "Mobility services for urban sustainability: Environmental assessment," *Moses Report WP6, Trivector Traffic AB, Stockholm, Sweden*, 2005.
- [11] G. Seeger and M. Bick, "Mega and consumer trends-towards carindependent mobile applications." in *ICMB*, 2013, p. 27.
- [12] O. Arazy, O. Nov, and N. Kumar, "Personalityzation: Ui personalization, theoretical grounding in hci and design research," *AIS Transactions on Human-Computer Interaction*, vol. 7, no. 2, pp. 43–69, 2015.
- [13] T. Ericsson and M. Nilqvist, "A personalized car: A study on how to apply personalization to a driver environment," 2006.
- [14] J. Kim, S. Kim, and C. Nam, "User resistance to acceptance of in-vehicle infotainment (ivi) systems," *Telecommunications Policy*, vol. 40, no. 9, pp. 919–930, 2016.
- [15] L. Console, I. Torre, I. Lombardi, S. Gioria, and V. Surano, "Personalized and adaptive services on board a car: an application for tourist information," *Journal of Intelligent Information Systems*, vol. 21, no. 3, pp. 249–284, 2003.
- [16] D. J. Wheatley, "Beyond the desktop: and into your vehicle," in *CHI'00 Extended Abstracts on Human Factors in Computing Systems*, 2000, pp. 43–44.
- [17] M. Kuemmerling and C. Heilmann, "Seamless mobility: Individual mobility profiles for a better usability of shared vehicles," in *International Conference on Human-Computer Interaction*. Springer, 2013, pp. 318–322.
- [18] J. Sonnenberg, "Service and user interface transfer from nomadic devices to car infotainment systems," in *Proceedings of the 2nd International Conference on Automotive User Interfaces and Interactive Vehicular Applications*, 2010, pp. 162–165.
- [19] Carplay. [Online]. Available: https://www.apple.com/ios/carplay/
- [20] Android auto. [Online]. Available: https://www.android.com/auto/
- [21] R. Coppola and M. Morisio, "Connected car: technologies, issues, future trends," *ACM Computing Surveys (CSUR)*, vol. 49, no. 3, pp. 1–36, 2016.

- [22] accenture, "Mobility as a service," 2018. [Online]. Available: https://www.accenture.com/us-en/insight-mobility-automotive-ecosystem
- [23] Volvo, "Volvo car group." [Online]. Available: https://group.volvocars.com/company
- [24] T. McCurdie, S. Taneva, M. Casselman, M. Yeung, C. McDaniel, W. Ho, and J. Cafazzo, "mhealth consumer apps: the case for user-centered design," *Biomedical instrumentation & technology*, vol. 46, no. s2, pp. 49–56, 2012.
- [25] R. E. Boyatzis, *Transforming qualitative information: Thematic analysis and code development.* sage, 1998.
- [26] K. Anderson, O. Burford, and L. Emmerton, "Mobile health apps to facilitate self-care: a qualitative study of user experiences," *PloS one*, vol. 11, no. 5, p. e0156164, 2016.
- [27] F. Ciari, B. Bock, and M. Balmer, "Modeling station-based and free-floating carsharing demand: Test case study for berlin," *Transportation Research Record: Journal of the Transportation Research Board*, vol. 2416, pp. 37–47, 12 2014. doi: 10.3141/2416-05
- [28] M. Nourinejad and M. J. Roorda, "Carsharing operations policies: a comparison between one-way and two-way systems," *Transportation*, vol. 42, no. 3, pp. 497–518, 2015.
- [29] S. A. Shaheen, N. D. Chan, and H. Micheaux, "One-way carsharing's evolution and operator perspectives from the americas," *Transportation*, vol. 42, no. 3, pp. 519–536, 2015.
- [30] S. Harms and B. Truffer, "The emergence of a nation-wide carsharing co-operative in switzerland," A case-study for the EC-supported rsearch project "Strategic Niche Management as a tool for transition to a sustainable transport system", EAWAG: Zürich, 1998.
- [31] H. Becker, F. Ciari, and K. W. Axhausen, "Comparing car-sharing schemes in switzerland: User groups and usage patterns," *Transportation Research Part A-policy and Practice*, vol. 97, pp. 17–29, 2017.
- [32] S. A. Shaheen, A. P. Cohen, and M. S. Chung, "North american carsharing: 10-year retrospective," *Transportation Research Record*, vol. 2110, no. 1, pp. 35–44, 2009. doi: 10.3141/2110-05

- [33] Frost&Sullivan, "Future of carsharing market to 2025," 2016. [Online]. Available: http://www.frost.com/sublib/display-report.do? id=MB4D-01-00-00-00
- [34] Share now. [Online]. Available: https://www.share-now.com
- [35] J. E. Burkhardt and A. Millard-Ball, "Who is attracted to carsharing?" *Transportation Research Record*, vol. 1986, no. 1, pp. 98–105, 2006.
- [36] M. Prieto, G. Baltas, and V. Stan, "Car sharing adoption intention in urban areas: what are the key sociodemographic drivers?" *Transportation Research Part A: Policy and Practice*, vol. 101, pp. 218–227, 2017.
- [37] J. Heikkinen, E. Mäkinen, J. Lylykangas, T. Pakkanen, K. Väänänen-Vainio-Mattila, and R. Raisamo, "Mobile devices as infotainment user interfaces in the car: contextual study and design implications," in *Proceedings of the 15th international conference on Human-computer interaction with mobile devices and services*, 2013, pp. 137–146.
- [38] K. Udovicic, N. Jovanovic, and M. Z. Bjelica, "In-vehicle infotainment system for android os: User experience challenges and a proposal," in 2015 IEEE 5th International Conference on Consumer Electronics-Berlin (ICCE-Berlin). IEEE, 2015, pp. 150–152.
- [39] M. Chalmers and I. MacColl, "Seamful and seamless design in ubiquitous computing," in *Workshop at the crossroads: The interaction of HCI and systems issues in UbiComp*, vol. 8, 2003.
- [40] T. Kujala, "Browsing the information highway while driving: three invehicle touch screen scrolling methods and driver distraction," *Personal and ubiquitous computing*, vol. 17, no. 5, pp. 815–823, 2013.
- [41] S. Graf, W. Spiessl, A. Schmidt, A. Winter, and G. Rigoll, "In-car interaction using search-based user interfaces," in *Proceedings of the SIGCHI Conference on Human Factors in Computing Systems*, 2008, pp. 1685–1688.
- [42] J. Kim, J. H. Ryu, and T. M. Han, "Multimodal interface based on novel hmi ui/ux for in-vehicle infotainment system," *Etri Journal*, vol. 37, no. 4, pp. 793–803, 2015.
- [43] I. Tashev, M. Seltzer, Y.-C. Ju, Y.-Y. Wang, and A. Acero, "Commute ux: Voice enabled in-car infotainment system," 2009.

- [44] N. Hataoka, M. Araki, T. Matsuda, M. Takahashi, R. Ohtaki, and Y. Obuchi, "Evaluation of interface and in-car speech-many undesirable utterances and sever noisy speech on car navigation application," in 2008 IEEE 10th Workshop on Multimedia Signal Processing. IEEE, 2008, pp. 956–959.
- [45] D.-h. Kim and H. Lee, "Effects of user experience on user resistance to change to the voice user interface of an in-vehicle infotainment system: Implications for platform and standards competition," *International Journal of Information Management*, vol. 36, no. 4, pp. 653–667, 2016.
- [46] M. Schneider-Hufschmidt, U. Malinowski, and T. Kuhme, *Adaptive user interfaces: Principles and practice.* Elsevier Science Inc., 1993.
- [47] J. Blom, "Personalization: a taxonomy," in *CHI'00 extended abstracts on Human factors in computing systems*, 2000, pp. 313–314.
- [48] M. J. Culnan and R. J. Bies, "Consumer privacy: Balancing economic and justice considerations," *Journal of social issues*, vol. 59, no. 2, pp. 323–342, 2003.
- [49] J. Grossklags and A. Acquisti, "When 25 cents is too much: An experiment on willingness-to-sell and willingness-to-protect personal information." in *WEIS*, 2007.
- [50] J. Sutanto, E. Palme, C.-H. Tan, and C. W. Phang, "Addressing the personalization-privacy paradox: an empirical assessment from a field experiment on smartphone users," *MIS quarterly*, pp. 1141–1164, 2013.
- [51] M. Hasenjäger and H. Wersing, "Personalization in advanced driver assistance systems and autonomous vehicles: A review," in 2017 ieee 20th international conference on intelligent transportation systems (itsc). IEEE, 2017, pp. 1–7.
- [52] J. Letchner, J. Krumm, and E. Horvitz, "Trip router with individualized preferences (trip): Incorporating personalization into route planning," in *AAAI*, 2006, pp. 1795–1800.
- [53] C. Palmisano, A. Tuzhilin, and M. Gorgoglione, "Using context to improve predictive modeling of customers in personalization applications," *IEEE transactions on knowledge and data engineering*, vol. 20, no. 11, pp. 1535–1549, 2008.

- [54] G. D. Abowd and E. D. Mynatt, "Charting past, present, and future research in ubiquitous computing," *ACM Transactions on Computer-Human Interaction (TOCHI)*, vol. 7, no. 1, pp. 29–58, 2000.
- [55] J. I. Árnason, J. Jepsen, A. Koudal, M. R. Schmidt, and S. Serafin, "Volvo intelligent news: A context aware multi modal proactive recommender system for in-vehicle use," *Pervasive and Mobile Computing*, vol. 14, pp. 95–111, 2014.
- [56] S. R. Garzon, "Intelligent in-car-infotainment system: A prototypical implementation," in 2012 Eighth International Conference on Intelligent Environments. IEEE, 2012, pp. 371–374.
- [57] F. D. Davis, "A technology acceptance model for empirically testing new end-user information systems: Theory and results," Ph.D. dissertation, Massachusetts Institute of Technology, 1985.
- [58] —, "Perceived usefulness, perceived ease of use, and user acceptance of information technology," *MIS quarterly*, pp. 319–340, 1989.
- [59] P. Legris, J. Ingham, and P. Collerette, "Why do people use information technology? a critical review of the technology acceptance model," *Information & management*, vol. 40, no. 3, pp. 191–204, 2003.
- [60] V. Krishnaraju, S. K. Mathew, and V. Sugumaran, "Web personalization for user acceptance of technology: An empirical investigation of egovernment services," *Information Systems Frontiers*, vol. 18, no. 3, pp. 579–595, 2016.
- [61] X. Guo, X. Zhang, and Y. Sun, "The privacy–personalization paradox in mhealth services acceptance of different age groups," *Electronic Commerce Research and Applications*, vol. 16, pp. 55–65, 2016.
- [62] E. Park and K. J. Kim, "Driver acceptance of car navigation systems: integration of locational accuracy, processing speed, and service and display quality with technology acceptance model," *Personal and ubiquitous computing*, vol. 18, no. 3, pp. 503–513, 2014.
- [63] W. Geldmacher, V. Just, J. Kopia, and A. Kompalla, "Development of a modified technology acceptance model for an innovative car sharing concept with self-driving cars," in *BASIQ International Conference*. New Trends in Sustainable Business and Consumption-2017, edited by Rodica Pamfilie, Vasile Dinu, Laurențiu Tăchiciu, Doru Pleșea, Cristinel Vasiliu, Proceedings of BASIQ, vol. 1, 2017.

- [64] S. Osswald, D. Wurhofer, S. Trösterer, E. Beck, and M. Tscheligi, "Predicting information technology usage in the car: towards a car technology acceptance model," in *Proceedings of the 4th International Conference on Automotive User Interfaces and Interactive Vehicular Applications*, 2012, pp. 51–58.
- [65] Y. Lee, K. A. Kozar, and K. R. Larsen, "The technology acceptance model: Past, present, and future," *Communications of the Association for information systems*, vol. 12, no. 1, p. 50, 2003.
- [66] J. Spradley, "The ethnographic interview holt reinhart and winston," *New York*, 1979.
- [67] V. Braun and V. Clarke, "Using thematic analysis in psychology," *Qualitative research in psychology*, vol. 3, no. 2, pp. 77–101, 2006.
- [68] M. Diehl and W. Stroebe, "Productivity loss in brainstorming groups: Toward the solution of a riddle." *Journal of personality and social psychology*, vol. 53, no. 3, p. 497, 1987.
- [69] Official page of framer. [Online]. Available: https://framer.com
- [70] K. Renaud and J. Van Biljon, "Predicting technology acceptance and adoption by the elderly: a qualitative study," in *Proceedings of the 2008 annual research conference of the South African Institute of Computer Scientists and Information Technologists on IT research in developing countries: riding the wave of technology, 2008*, pp. 210–219.
- [71] J. Nielsen, "Guerrilla hci: Using discount usability engineering to penetrate the intimidation barrier," *Cost-justifying usability*, pp. 245–272, 1994.
- [72] B. Friedman, P. H. Kahn, J. Hagman, R. L. Severson, and B. Gill, *The Watcher and the Watched: Social Judgments About Privacy in a Public Place*. Springer London, 2009.
- [73] S. Le Vine and J. Polak, "The impact of free-floating carsharing on car ownership: Early-stage findings from london," *Transport Policy*, vol. 75, pp. 119–127, 2019.