

PUBLICATION LIST
ANTHONY FAIOLA

PUBLICATIONS

Refereed Journals (*Under Review and Development*)

1. Soroya, S., Sharif, A., & **Faiola, A.** (Under Review). Investigating the Contribution of Pakistani e-Libraries in Promoting Health Awareness for the Attainment of Sustainable Development Goal-3. [*Health Information and Libraries Journal*](#).

Refereed Papers & Extended Abstracts [Total: 88] (*Accepted / In Press / Published*)

Journals

1. Naeem, S. B., Boulos, M. K., & Azam, M., **Faiola, A.** (Accepted). Determinants of mHealth adoption among people aging with chronic diseases in rural areas: the unified theory of acceptance and use of technology model, [*Future Internet*](#).
2. Naeem, S. B., Boulos, M. K., Azam, M., Boulos, M. K., & Rehman, A. U., & **Faiola, A.** (Accepted). Electronic health (eHealth) literacy and self-care behaviors – results from a survey of university students in a developing country. [*Journal of Academic Librarianship*](#).
3. Azam, M.; Bin Naeem, S.; Kamel Boulos, M.N.; **Faiola, A.** (2023) Modelling the Predictors of Mobile Health (mHealth) Adoption among Healthcare Professionals in Low-Resource Environments. *Int. J. Environ. Res. Public Health*, 20, <https://doi.org/10.3390/ijerph20237112>
4. Weber, S., Mulvaney, S., **Faiola, A.**, Brown, M., Koyama, T., Sun, L., Goggans, S., Hull, P. (2023). Commercially Available Mobile Apps With Family Behavioral Goal Setting and Tracking for Parents: Review and Quality Evaluation, *JMIR Pediatr Parent*; 6:e41779, URL: <https://pediatrics.jmir.org/2023/1/e41779>, DOI: 10.2196/41779
5. Liu, H., Azam, M., Bin Naeem, S., & **Faiola, A.** (2023). An overview of the capabilities of ChatGPT for medical writing and its implications for academic integrity. *Health Information & Libraries Journal*, 1–7. <https://doi.org/10.1111/hir.12509>
6. Rehman, A., Bin Naeem, S., & **Faiola, A.** (2023). The prevalence of low health literacy in undergraduate students in Pakistan. *Health Information & Libraries Journal*, 40(1), 103–108. <https://doi.org/10.1111/hir.12475>
7. Zolnour A, Eldredge CE, **Faiola A**, Yaghoobzadeh Y, Khani M, Foy D, Topaz M, Kharrazi H, Fung KW, Fontelo P, Davoudi A, Tabaie A, Breiting SA, Oesterle TS, Rouhizadeh M, Zonnor Z, Moen H, Patrick TB and Zolnoori M (2023). A Risk Identification Model for Detection of Patients at Risk of Antidepressant Discontinuation, *Frontiers in Artificial Intelligence (Medicine and Public Health)*, 6. <https://doi.org/10.3389/frai.2023.1229609>
8. Soroya, S. H., Rehman, A. U., and **Faiola, A.** (2023). Exploring the impact of Internet and media sources exposure on self-care behavior: Mediating the role of health anxiety, literacy, and information seeking behavior, *Kybernetes*, DOI: 10.1108/K-06-2023-1003
9. Soroya, S. H. and **Faiola, A.** (2023). Why did people avoid information during the COVID-19 Pandemic? Understanding information sources' dynamics among Pakistani Z generation. *Library Hi Tech*, 40(6):150. DOI 10.1108/LHT-02-2022-0113
10. **Faiola A**, Kamel Boulos MN, Bin Naeem S, ur-Rehman A. Integrating Social and Family Support as a Measure of Health Outcomes: Validity Implications from the Integrated Model of Health Literacy. *International Journal of Environmental Research and Public Health*. 2023; 20(1):729. <https://doi.org/10.3390/ijerph20010729>

11. Soroya, S. H., Nazir, M., & **Faiola, A.** (2022). Impact of health-related internet use on disease management behavior of chronic patients: Mediating role of perceived credibility of online information. *Information Development*, 0(0). <https://doi.org/10.1177/02666669221144622>
12. Hosseini, M, **Faiola, A**, Jones, J, Vreeman, D, Wu, H, & Dixon, B.E. (2019). Impact of document consolidation on healthcare providers' perceived workload and information reconciliation tasks: a mixed methods study, *Journal of the American Medical Informatics Association*, 26(2), 134–142. <https://doi.org/10.1093/jamia/ocy158> [Selected in category of Best Papers for the Health Information Management Section of the 2020 IMIA Yearbook, (*International Medical Informatics Association*).
13. **Faiola, A.**, Papautsky, E., & Isola, M. (2019) Empowering the aging with mobile health: A mHealth framework for supporting sustainable lifestyle behavior, *Current Problems in Cardiology*, 44(8), 232-266. <https://doi.org/10.1016/j.cpcardiol.2018.06.003>
14. Zolnoori, M., Fung, K. W., Patrick, T. B., Fontelo, P., Kharrazi, H., **Faiola, A.**, Shah, N. D., Wu, Y. S., Eldredge, C. E., Luo, J., Conway, M., Zhu, J., Park S. K., Xu, K., Moayyed, H., & Goudarzvand, S. (2019). A systematic approach for developing a corpus of patient reported adverse drug events: A case study for SSRI and SNRI medications, *Journal of Biomedical Informatics*, 90. <https://doi.org/10.1016/j.jbi.2018.12.005> [NIH Site](#)
15. **Faiola, A.**, Vatani, H., & Agarwal, M. (2019). Hypoglycemic Detection by Human Breath: A Mobile Health Application that Alerts Diabetics of Low Blood Glucose, *EAI Transactions on Ambient Systems (Special Edition on Smart Coaching Solutions for Health and Well-Being)*, 6(18), e4. <https://eudl.eu/pdf/10.4108/eai.23-3-2018.162220>
16. Zolnoori, M., Fung, K. W., Patrick, T. B., Fontelo, P., Kharrazi, H., **Faiola, A.**, Shah, N. D., Wu, Y. S., Eldredge, C. E., Luo, J., Conway, M., Zhu, J., Park S. K., Xu, K., & Moayyed, H. (2019). The PsyTAR dataset: From patients generated narratives to a corpus of adverse drug events and effectiveness of psychiatric medications. *Data in Brief*, 24. <https://doi.org/10.1016/j.dib.2019.103838>
17. Tunnell, H. D., **Faiola, A.** Bolchini, D., & Ellis, R. (2018). Simulated Clinical Encounters Using Patient-Operated mHealth: An Experimental Study to Investigate Patient-Provider Communication, *Journal of Medical Internet Research—mHealth and uHealth*, 6(11): e11131. <https://mhealth.jmir.org/2018/11/e11131/>
18. Zolnoori, M., Fung, K., Fontelo, P., Kharrazi, H., **Faiola, A.**, Wu, Y, S., Stoffel, V., & Patrick, T. (2018). Identifying the Underlying Factors Associated With Patients' Attitudes Toward Antidepressants: Qualitative and Quantitative Analysis of Patient-Generated Data, *Journal of Medical Internet Research— Journal of Mental Health*, 5(4):e10726. [doi:10.2196/10726](https://doi.org/10.2196/10726) [NIH Site](#)
19. Hosseini, M, Jones, J, **Faiola, A**, Wu, H, Vreeman, D, & Dixon, B. E. (2017). Reconciling disparate information in continuity of care documents: Piloting a system to consolidate structured clinical documents. *Journal of the Biomedical Informatics*, 74, 123-129. <https://www.ncbi.nlm.nih.gov/pubmed/28903073>
20. **Faiola, A.** & Holden, R. (2017) Consumer Health Informatics: Empowering Healthy-Living-Seekers through mHealth, *Progress in Cardiovascular Diseases, Special Edition: Conceptualizing the Healthy Lifestyle Healthcare System*, 59(5), 479-486. <https://doi.org/10.1016/j.pcad.2016.12.006>
21. **Faiola, A.**, Voiskounsky, A. E. & Bogachava, N.V. (2016). Human augmentation: the formation of cyberconsciousness (Человек дополненный: становление киберсознания), *Problems of Philosophy (Вопросы философии)*, 3, Russian Academy of Sciences, Moscow, Russia, 147-162. <https://istina.msu.ru/publications/article/21016626/>
22. **Faiola, A.** (2013). Distributed creative activity: expanding Tikhomirov's original notion of creative activity, *Psychology in Russia: State of the Art, Russian Psychological Society Press*, 6(4), 120-133. <http://psychologyinrussia.com/volumes/?article=2904>

23. **Faiola, A.**, Newlon, C., Pfaff, M., & Smysolva, O. (2013) Correlating the effects of flow and telepresence in virtual worlds: Enhancing our understanding of user behavior in game-based learning. *Computers in Human Behavior*, 29, 1113-1121. <https://doi.org/10.1016/j.chb.2012.10.003>
24. **Faiola, A.**, Ho, H., MacDorman, K. F. & Tarrant, M. (2011). The aesthetic dimensions of US and South Korean responses to Web homepages: A cross-cultural comparison. *International Journal of Human-Computer Interaction*, 27(2), 131-150. <https://www.tandfonline.com/doi/full/10.1080/10447318.2011.537173>
25. **Faiola, A.**, Davis, S. B., & Edwards, R. L. (2010). Extending knowledge domains for new media education: integrating interaction design theory and methods. *New Media and Society*, 12(5), 691-709. <http://journals.sagepub.com/doi/pdf/10.1177/1461444809353014>
26. Matei, S., **Faiola, A.**, Wheatley, D. J., & Altom, T. (2010). The role of physical affordances in multifunctional mobile device design. *International Journal of Information Technology and Web Engineering*, 5(4), 40-57. <https://dl.acm.org/citation.cfm?id=2440399>
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28. Bolchini, D., Pulido, D., & **Faiola, A.** (2009). Paper-in-screen prototyping: An agile technique to anticipate the mobile experience. *Interactions: New Visions of Human-Computer Interaction*, 16(3), 35-47. <https://dl.acm.org/citation.cfm?id=1551992>
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30. Faiola, A. (2007). The design enterprise: Rethinking the HCI education paradigm. *Design Issues*, 23(3), 30-45. <https://www.mitpressjournals.org/doi/abs/10.1162/desi.2007.23.3.30>
31. Faiola, A. (2006). Designing humane technologies: A potential framework for human-computer interaction design. *The International Journal of the Humanities*, 2(3), 1877-1886. https://cgscholar.com/bookstore/works/designing-humane-technologies?category_id=cgrn
32. **Faiola, A.** & Matei, S. (2005). Cultural cognitive style and web design: Beyond a behavioral inquiry of computer-mediated communication. In C. Ess and F. Sudweeks (Eds.) *Culture and Computer-Mediated Communication: Toward New Understandings*. *Journal of Computer-Mediated Communication*, 11(1), 375-394. <https://doi.org/10.1111/j.1083-6101.2006.tb00318.x>
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34. **Faiola, A.** (2002). A visualization pilot study for hypermedia: Developing cross-cultural user profiles for new media interfaces. *Journal of Educational Multimedia and Hypermedia*. 11(1), 51-71. <https://www.learntechlib.org/primary/p/10775/>
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36. Faiola, A. (1989). Improving courseware development efficiency: The effects of authoring systems on team roles and communication. *Educational Technology*. 29(8), 16-19. <https://www.jstor.org/stable/44426848>
37. **Faiola, T.** & DeBlois, M. L. (1988). Designing a visual factors-based screen display interface: The new role of the graphic technologist. *Educational Technology*, 28(8), 12-21. <https://www.jstor.org/stable/44426897>

Conference Proceedings

1. Soroya, S., Sharif, A., & **Faiola, A.** (2023). Investigating the Contribution of Pakistani e-Libraries in Promoting Health Awareness for the Attainment of Sustainable Development Goal-3. *Association for Information Science & Technology, 27-31 October 2023 at Novotel London West, London, UK.*
2. Zolnoori, A., Eldredge, C., Topaz, M., **Faiola, A.**, Fontelo, P. & Zolnoori, M. (2020). Developing a risk identification algorithm for identifying patients at risk of medication non-adherence in patients with depression, *Proceedings of American Medical Informatics Association Summit, Chicago, IL, March 21, 2022.*
3. Belkacem I., Pecci I., **Faiola A.**, Martin B. (2020) Investigating a Design Space for Developing Design Thinking in Electronic Healthcare Records. In: Stephanidis C., Marcus A., Rosenzweig E., Rau PL.P., Moallem A., Rauterberg M. (eds) *HCI International 2020 - Late Breaking Papers: User Experience Design and Case Studies. HCII 2020. Lecture Notes in Computer Science, vol 12423.* Springer, Cham. https://doi.org/10.1007/978-3-030-60114-0_2
4. **Faiola, A.**, Belkacem I, Bergey D, Pecci I, Martin B. (2019) Towards the Design of a Smart Glasses Application for MICU Decision-Support: Assessing the Human Factors Impact of Data Portability & Accessibility. *Proceedings of the International Symposium on Human Factors and Ergonomics in Health Care*; 8(1):52-56. [doi:10.1177/2327857919081012](https://doi.org/10.1177/2327857919081012)
5. Belkacem I., Pecci I., Martin B., & **Faiola A.** (2019) TEXTile: Eyes-Free Text Input on Smart Glasses Using Touch Enabled Textile on the Forearm. *Proceedings of the 17th IFIP TC 13 International Conference, Paphos, Cyprus, September 2–6, 2019.* (Also in: Lamas D., Loizides F., Nacke L., Petrie H., Winckler M., Zaphiris P. (eds) *Human-Computer Interaction – INTERACT 2019. INTERACT 2019. Lecture Notes in Computer Science, vol 11747.* Springer, Cham. https://doi.org/10.1007/978-3-030-29384-0_22
6. **Faiola, A.**, Vatani, H., Greenhill, K., Bhuma, M., & Agarwal, M. (2018). HYPOalert: Designing Mobile Technology for Hypoglycemic Detection and Monitoring—Based on Human Breath, *Proceedings of the 12th EAI International Conference on Pervasive Computing Technologies for Healthcare*, May 2018, ACM, New York, New York, 402-406. <https://doi.org/10.1145/3240925.3240975>
7. Papautsky, E.L., Abdulbaseer, U., & **Faiola, A.** (2017). What is the role of patient families? An exploratory study in a medical intensive care unit. *Proceedings of Human Factors & Ergonomics Society 2017, International Annual Meeting, Austin, TX, Oct 2017.* <http://journals.sagepub.com/doi/pdf/10.1177/1541931213601621>
8. Srinivas, P., Reddy, M. C., & **Faiola, A.** (2016). Better managing technology-mediated interruptions in the ICU: Examining the role of patient information for improving text message notifications. *Proceedings of American Medical Informatics Association, Annual Symposium, November, 2017. (Distinguished Paper Nomination)* <https://pubmed.ncbi.nlm.nih.gov/28269913/>
9. **Faiola, A.**, Papautsky, E. L., & Joo, M. (2016). Supporting Patient Healing through ICUsmartCARE: Technologies that Enable Increased Family Presence, Communication, and Information Flow, *Proceedings of the 2016 IEEE International Conference on Healthcare Informatics 2016 (ICHI) in Chicago, IEEE Computer Society.* <https://ieeexplore.ieee.org/document/7776358/>
10. Tunnell, H. D., Pfaff, M. & **Faiola, A.** (2016). Secondary Users and the Personal mHealth Record: Designing Tools to Improve Collaboration Between Patients and Providers, Extended Abstract, *Proceedings of the 2016 IEEE International Conference on Healthcare Informatics 2016 (ICHI), Chicago, IEEE Computer Society*, pp. 412-412. <https://ieeexplore.ieee.org/document/7776395/>
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- CA, USA, May 7-12. New York, NY: Association for Computing Machinery Press, April 2016.
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 13. **Faiola, A.**, Srinivas, P. & Doebbeling, B. (2015) A ubiquitous situation-aware data visualization dashboard to reduce ICU clinician cognitive load. *Proceedings of the IEEE HealthCom 2015, Boston, MA, April 15, 2015.* <https://ieeexplore.ieee.org/document/7454540/>
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 15. Tunnell, H., **Faiola, A.**, & Haggstrom, D. (2015). Clinicians as secondary users of patient-centered, mobile technology in complex healthcare settings, *Proceedings of the IEEE HealthCom 2015, Boston, MA, April 15, 2015.* <https://ieeexplore.ieee.org/document/7454586/>
 16. **Faiola, A.**, Srinivas, P., & Hillier, S. (2015). Improving patient safety: Integrating data visualization and communication into ICU workflow to reduce cognitive load. *Proceedings of the International Symposium on Human Factors and Ergonomics in Health Care, Baltimore, MD, April 2015.* <http://journals.sagepub.com/doi/abs/10.1177/2327857915041013>
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 24. **Faiola, A.**, Groth, D., & Altom, T. (2005). Integrating the visualization of personal histories of file usage into 3D landscapes: enhancing desktop file searching using TerraSearch+. In G. Salvendy and J. Jacko (Eds.), *Human-Computer Interaction: Ergonomics and User Interfaces, Theory and*

Practice, Proceedings of the 11th International Conference on Human-Computer Interaction: Vol.4. (Theories Models and Processes in HCI.) Las Vegas, July 22-27, 2005 [Electronic Publication]. Mahwah, NJ: Lawrence Erlbaum Associates.

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30. Faiola, A. (2002). Paradigms and partnerships in graphic communication education: A three-fold initiative for survival. Paper Abstracts from Graphica 2001, *International Conference on Graphics Engineering for Arts and Design*, San Paulo Brazil, 20.
31. Faiola, A. (2000). Cross-cultural landscapes of visual intelligence: An investigation of visualization problem-solving across cultural boundaries. *Proceedings of the International Visual Literacy Association Conference, IVLA2000*, 113-122.

Extended Abstracts

1. **Faiola, A.**, Hao, Z., Soroya, S., Naeem, S., Lenox, S., Piekarski, S., & Tenuta, G. (2022). Addressing the Mental Health Disparities of Families of Cancer Patients from Rural Kentucky: Investigating the Efficacy of FamCare+ to Reduce Mental Trauma among Families (A Mobile Health Service that Connects Families at Home with Point-of-Care at the Bedside). [*12th Annual Appalachian Translational Research Network Summit "Community-Academic Engagement: Building Resilience Together,"*](#) November 14 and 15, 2022, University of Kentucky, Lexington, KY
2. **Faiola, A.**, & Papautsky, E.L. (2019). mHealth that supports the role of the MICU nurse in family mental healthcare, Session 4: Informatics Support for Practice-based Knowledge Generation and Nursing and Healthcare Practice Sponsored by Shadow Health, Extended Abstract, *Health Informatics Kobb Symposium, College of Nursing, University of Florida, Gainesville, FL.* <https://kobbsymposium.nursing.ufl.edu/topics/>
3. Zolnoori, M., Ngufor, C., **Faiola, A.**, Eldredge, C. E., Luo, J. Patrick, T., Sohn, S. Balls-Berry, J. Tafti, A. & Shah, N. (2019). Identifying factors affecting drug discontinuation in patients with depression: Text analysis of patient drug review posts (2019). Extended Abstract. *American Medical Informatics Association, Annual Symposium, Washington, DC.* <https://www.amia.org/amia2019/oral-presentations/abstract>

4. **Faiola, A.** & Abraham, J. (2018). FAMcare: A MICU Room-to-Mobile System—Supporting the Communication Needs of Families, Extended Abstracts, *American Medical Informatics Association, Annual Symposium*, San Francisco, CA.
<https://researchr.org/publication/FaiolaA18>
5. Zolnoori, M., Fung, K., Patrick, T., Fontelo, P., Kharrazi, H., **Faiola, A.**, Wu, Y. W., Stoffel, V. & Patrick, T. B (2018). Utilizing Consumer Health Posts to Identify Underlying Factors Associated with Patients' Attitudes towards Antidepressants, Extended Abstracts, *American Medical Informatics Association, Annual Symposium*, San Francisco, CA.
<https://knowledge.amia.org/67852-amia-1.4259402/t006-1.4263223/t006-1.4263224/2973531-1.4263225/2973531-1.4263226>
6. Tunnell, H. D., **Faiola, A.** & Bolchini, D. (2017). Guidelines to Incorporate a Clinician User Experience (UX) into the Design of Patient-Operated mHealth. Extended Abstract in Computing Systems, *CHI 2017, ACM CHI Conference, Denver, CO*, pp. 385-388.
<https://doi.org/10.1145/3027063.3052966>
7. **Faiola, A.**, Khairat, S., & Kaufman, D. (2016). From coexistence to convergence: The pedagogical transpositioning of human-computer interaction within biomedical informatics. *2016 InSpire, Education Symposium, American Medical Informatics Association*. Extended Abstract.
<https://www.amia.org/inspire2016/wed-sessionshttps://knowledge.amia.org/63196-amia-inspire-1.3227080/t002-1.3227258/f002-1.3227259/a003-1.3227274/2503344-1.3227275?qr=1>
8. Ansh-Koi, K., Srinivas, P., Strzeszkowski, D., Gross, M., & **Faiola, A.** (2016) Building Healthy Social Media for All: Investigating How Different Cultures Seek and Process Health Information, Extended Abstract. *Indiana University Purdue University Indianapolis (IUPUI) Research Day, April 8, 2016*. <https://scholarworks.iupui.edu/handle/1805/9607>
9. Zolnoori, M. Patrick, T. B., Conways, M., **Faiola, A.**, & Luos, J. (2016) Evaluating Acceptability and Efficacy of Antidepressant Medications using Patients Comments in Social Media. Extended Abstract, *American Medical Informatics Association, Annual Symposium, November, 2016*.
<https://knowledge.amia.org/>
10. **Faiola, A.**, Srinivas, P., & Karanam, Y. (2014). A novel approach to ICU data visualization and communication integration. Extended Abstract. *Workshop on Interactive Systems in Healthcare (WISH 2014). In Conjunction with the American Medical Informatics Association Annual Symposium*. https://wish2014.files.wordpress.com/2014/10/sub-18-paper-wish_tp_faiola-srinivas-karanam_final.pdf
11. Srinivas, P., & **Faiola, A.** (2014). Smartphone dependency and consciousness: Observing flow in the everyday life. Extended Abstract. *Indiana University—Purdue University, Research Day, April 11, 2014*. <https://scholarworks.iupui.edu/bitstream/handle/1805/5317/Srinivas>
12. Srinivas, P., & **Faiola, A.** (2014). Modeling daily rounds to support efficient task management in ICU workflow. Extended Abstract, *Workshop on Interactive Systems in Healthcare (WISH 2014). In conjunction with the American Medical Informatics Association Annual Symposium*.
https://wish2014.files.wordpress.com/2014/10/sub-19-wish_poster_-srinivas-faiola_final.pdf
13. **Faiola, A.**, Srinivas, P., Karanam, Y., Chartash, D., & Doebbeling, B. (2014). VizCom: a novel workflow model for ICU clinical decision support. Extended Abstract. *ACM CHI'14, Human Factors in Computing Systems, Association for Computing Machinery, Toronto, Canada, 1705-1710*.
<https://doi.org/10.1145/2559206.2581332>
14. **Faiola, A.** (2013). Sociocultural-embodied consciousness: an integrated theory (Телесный подход к когнитивным процессам и социокультурное сознание: интегративная теория), Extended Abstract, *Proceedings of the 13th International Readings of L.S. Vygotsky: Psychology of Consciousness: Origins and Perspectives*, Russian State University for the Humanities, Vygotsky Institute of Psychology, Moscow, Russia. <http://vestnik.rsu.ru/article.html?id=2630350>

15. **Faiola, A.** (2013). Distributed Creative Activity: Augmenting Interpersonal Cognition in Clinical Activity through Health Information Technology, Extended Abstract, The Concepts of O.K. Tikhomirova and A.V. Brushlinsky and the Fundamental Problems of Psychology (80th birthday) (Идеи О.К. Тихомирова и А.В. Брушлинского и фундаментальные проблемы психологии). (*Parallel Session on the Psychology of Humans Immersed in Information Technology*), *Moscow State University, Moscow, Russia, May 30 - June 1, 2013*, 295-299.
http://www.psy.msu.ru/science/conference/tihomirov80/abstract_book.pdf
16. **Faiola, A.**, Boston-Clay, C., Jones, J., Newlon, C., Downey, M., & Comer, S. (2012). Managing patient health across diverse spaces: Using activity theory to model clinical decision-support for the home. Extended Abstract, *Workshop Bridging Clinical and Non-Clinical Health Practice: Opportunities and Challenges, ACM CHI '12, Austin, TX, May 5, 2012*.
<https://www.ics.uci.edu/~yunanc/chi2012health/Downloads/Faiola.pdf>
17. Boston-Clay, C., Jones, J., & **Faiola, A.** (2012). The Power of a Triangulation Study in Healthcare System Implementation. Extended Abstract, *Workshop Bridging Clinical and Non-Clinical Health Practice: Opportunities and Challenges, ACM CHI '12, Austin, TX, May 5, 2012*.
<https://www.ics.uci.edu/~yunanc/chi2012health/Downloads/Clay.pdf>
18. Stupiansky, N., **Faiola, A.** & Defazio, J. (2011). The Effects of a computer-based driving game on hypoglycemia education among adolescents with type-1 diabetes, Extended Abstract and Poster, *Chronic Illness and Other Medical Issue, Journal of Adolescent Health, 48(2)*, S24-S25.
[https://www.jahonline.org/article/S1054-139X\(10\)00575-6/fulltext/](https://www.jahonline.org/article/S1054-139X(10)00575-6/fulltext/)
19. Matei, S. A., Bruno, R. J., Morris, P. L., & **Faiola, A.** (2010). Visible Effort: A Social Entropy Methodology for Managing Computer-Mediated Collaborative Learning, Extended Abstract, *4th Global Communication Forum, Shanghai, China, September 29-30, 2010*.
<http://matei.org/ithink/?p=22040>
20. **Faiola, A.** & Rosenbaum, H. (2002). Challenges in teaching usability theory and testing for new media and novel interface technologies. Extended Abstract. *Forum for Educators of Human-Computer Interaction, CHI '02 Conference, Minneapolis, MN*.

Refereed and Non-Refereed Posters and Workshops [Total: 29]

1. **Faiola, A.**, Hao, Z., Munker, R., Soroya, S., Schrader, S. & Burch, M. (2023). Addressing the Mental Health Disparities of Families of Cancer Patients from Rural Kentucky: Investigating the efficacy of FamCare+ to reduce mental trauma using a mobile health service that connects families at home with the bedside, *College of Medicine, Alliance Research Initiative Seminar, University of Kentucky, October 4, 2023*.
2. **Faiola, A.**, Villano, J., Mayer, K., Meulenbroek, P., Mayer, K., Soroya, S., Schrader, S. & Burch, M. (2023). Health Gaming Intervention as Neurostimulation Therapy for Brain Cancer Patients Suffering from Acute Cognitive Impairment: A Clinical Study to Improve Cognitive Function and Synaptic Plasticity, *College of Medicine, Alliance Research Initiative Seminar, October 4, 2023*.
3. **Faiola, A.**, Hao, Z., Montgomery-Yates, A., Soroya, S., Lenox, S., Piekarski, S., Tenuta, G., & Schrader, S. (2023). Addressing the Mental Health Disparities of Families of Cancer Patients from Rural Kentucky: A clinical study on the efficacy to reduce mental trauma using the mobile app intervention FamCarePlus, *Markey Cancer Research Day, May 12, 2023*.
4. **Faiola, A.**, Villano, J., Montgomery-Yates, A., Mayer, K., Soroya, S., Meulenbroek, P., Lenox, S., Piekarski, S., Tenuta, G., & Schrader, S. (2023). Health Gaming Intervention as Neurostimulation Therapy for Brain Cancer Patients Suffering from Acute Cognitive Impairment: A Clinical Study to Improve Cognitive Function & Synaptic Plasticity, *Markey Cancer Research Day, May 12, 2023*.

5. **Faiola, A.**, Hao, Z., Soroya, S., Naeem, S., Lenox, S., Piekarski, S., & Tenuta, G. (2022). Addressing the Mental Health Disparities of Families of Cancer Patients from Rural Kentucky: Investigating the Efficacy of FamCare+ to Reduce Mental Trauma among Families (A Mobile Health Service that Connects Families at Home with Point-of-Care at the Bedside). *12th Annual Appalachian Translational Research Network Summit* "Community-Academic Engagement: Building Resilience Together," November 14 and 15, 2022, University of Kentucky, Lexington, KY.
6. **Faiola, A.**, Abraham, J. & Papautsky, E.L. (2019). Delivering Patient Information and Access to Mental Health Counseling for ICU Families: Towards a Human-Centered Mobile Health System for Room-to-Family Communication. Poster, Extended Abstract and Presentation, *Proceedings from Human Factors and Ergonomics in Health Care, Chicago, IL, March 2019*.
7. **Faiola, A.**, Minh, H, & Bergey, D. (2019). Supporting the Mental Health of Families in the ICU: A Family-Centered Approach to Mobile Information Communication. Poster, University of Illinois at Chicago, Research Day, April 7, 2019.
8. **Faiola, A.**, Belkacem, I., Bloodworth, M., Bergey, D., Pecci, I., & Martin, B. (2019). Towards the Design of a Smart Glasses Application for MICU Decision-Support: Assessing the Human Factors Impact of Data Portability and Accessibility, Poster, *Human Factors and Ergonomics in Health Care, Chicago, IL, March 2019*.
9. Greenhill, K., **Faiola, A.** Lebowiz, L. & Bond, S. (2017). Creating Common Ground: A Medical Visualization Tool to Aid Physician / Family Communication in a Medical Intensive Care Unit Setting, Poster, *Applied Health Sciences Research Day*, November 1, 2017, University of Illinois at Chicago.
10. Boyd AD, Abraham J, Kitsiou S, Papautsky E, & **Faiola A.** (2017). Health Informatics Research Projects, Medical Technology Enterprise Consortium (MTEC), Poster, 2nd Annual Conference, March 30th, 2017. San Antonio, TX.
11. Tunnell, H. D., **Faiola, A.** & Bolchini, D. (2017). Guidelines to Incorporate a Clinician User Experience (UX) into the Design of Patient-Operated mHealth. Poster and Interactive Demo, *CHI 2017, ACM CHI Conference, Denver, CO*, April. 2017.
12. Zolnoori, M. Patrick, T. B., Conways, M., **Faiola, A.**, & Luos, J. (2016) Evaluating Acceptability and Efficacy of Antidepressant Medications using Patients Comments in Social Media. Poster, *American Medical Informatics Association, Annual Symposium, November, 2016*.
13. Tunnell, H. D., **Faiola, A.** & Pfaff, M. (2016). Secondary Users and the Personal mHealth Record: Designing Tools to Improve Collaboration Between Patients and Providers, Poster: 2016 IEEE International Conference on Healthcare Informatics 2016 (ICHI) in Chicago, IEEE Computer Society.
14. Putka, J., Cavalcanti, L., Ahgharian, N., & **Faiola, A.** (2016) Reducing Cognitive Load of Unmanned Aerial Vehicle Soldier-Operators: A Novel Weapon-UAV Control Design, *IUPUI Research Day Poster Session, April 8*.
15. Srinivas, P, Cavalcanti, L., & **Faiola, A.** (2016) The Impact of Excessive Smartphone Usage: A Study on Flow and the Psychosocial Wellness of Students, *IUPUI Research Day Poster Session, April 8*.
16. Ansah-Koi, K., Srinivas, P., Strzeszkowski, D., Gross, M., & **Faiola, A.** (2016) Building Healthy Social Media for All: Investigating How Different Cultures Seek and Process Health Information, *IUPUI Research Day Poster Session, April 8*.
17. Srinivas, P. & **Faiola, A.** (2015). Improving patient safety: Integrating data visualization and communication into ICU workflow to reduce cognitive load. Poster. *Human Factors and Ergonomics in Health Care (Improving the Outcomes)*, April 26, 2015, Baltimore, MD.
18. Srinivas, P., & **Faiola, A.** (2014). Modeling daily rounds to support efficient task management in ICU workflow. Poster, *Workshop on Interactive Systems in Healthcare (WISH 2014)*. In conjunction with the American Medical Informatics Association Annual Symposium, November 15, 2014.

19. **Faiola, A.** & Srinivas, P. (2014). Extreme mediation: observing mental and physical health in everyday life. Poster. *Proceedings of the 2014 Association for Computing Machinery (ACM) International Joint Conference on Pervasive and Ubiquitous Computing (UbiComp 2014)*, September 2014.
20. Boston-Clay, C., Jones, J., **Faiola, A.**, Dixon, B. & Pfaff, M., (2014). AMIA 2014, Assessing Health Information Technology Acceptance: Developing a Human Computer Interaction Activity-Centered Acceptance Framework, *Dissertation Poster, American Medical Informatics Association (AMIA) Annual Symposium, Washington, DC*, November 15-19, 2014.
21. Finch, R. J., Srinivas, P., Karanam, Y., Koval, O., & **Faiola, A.** (2014). Augmenting consciousness through invasive technologies: How do cochlear implant patients engage activity in the world? *Indiana University—Purdue University, Research Day, April 11, 2014*. Poster and Extended Abstract.
22. **Faiola, A.**, Srinivas, P., Karanam, Y., & Koval, O. (2014). Reducing diagnostic error in the ICU: A novel approach to clinical workflow -- visualization-communication integration. *Indiana University—Purdue University, Research Day, April 11, 2014*. Poster and Extended Abstract.
23. Srinivas, P., Karaham, Y., Chartash, D., Doebbeling, B., & **Faiola, A.** (2014). VizCom: A Novel Workflow Model for ICU Clinical Decision Support. In ACM CHI '14, Poster Session, May 1, Toronto, Canada. New York, NY: Association for Computing Machinery Press.
24. **Faiola, A.**, Srinivas, P., Karanam, Y. & Kovel, O. (2014). Reducing Diagnostic Error in the ICU: A Novel Approach to Clinical Workflow—Visualization-Communication Integration, *IUPUI Research Day Poster Session, April 11*.
25. Finch, R.J., Srinivas, P., and Karanam, Y., Koval, O., & **Faiola, A.** (2014). Augmenting Consciousness through Invasive Technologies: How Do Cochlear Implant Patients Engage Activity in the World? *IUPUI Research Day Poster Session, April 11*.
26. Srinivas, P. & **Faiola, A.** (2014). Smartphone Dependency and Consciousness: Observing Flow in Everyday Life, Poster, *IUPUI Research Day, April 11*.
27. Karaham, Y., **Faiola, A.**, & Chartash (5/25/2013) MIVA: Decision Support, *Poster Session*. World Usability Day, IUPUI, Indianapolis, IN.
28. Stupiansky, N., Cummings, T., **Faiola, A.**, Defazio, J. & Orr, D. P. (2011). The Effects of a Computer-Based Driving Game on Hypoglycemia Education among Adolescents with Type-1 Diabetes, *Abstract/Poster for the Society for Adolescent Health and Medicine, Poster Session*, 2011 Annual Conference, Seattle, Washington, March 29-April 1.
29. **Faiola, A.** and Rosenbaum, H. (4/23/2002). *Challenges in teaching usability theory and testing for new media and novel interface technologies. Special Interest Group Forum for Educators of HCI, ACM CHI '02 Conference. Poster Session*, Minneapolis, MN.

Invited Book Chapters [Total: 12]

1. **Faiola A.**, Vatani H., & Srinivas P. (2018) The Impact of Smartphone Use on the Psychosocial Wellness of College Students. In: *Alexandrov D., Boukhanovsky A., Chugunov A., Kabanov Y., Koltsova O. (eds) Digital Transformation and Global Society. DTGS 2018. Communications in Computer and Information Science, vol 859*. Springer, Cham., 264-276.
https://doi.org/10.1007/978-3-030-02846-6_21
2. Bolchini, D., & **Faiola, A.** (2013). Usability assessment. In: *Dubitzky, W., Wolkenhauer, O., Yokota, H., and Cho, K.H. (Eds.). Encyclopedia of Systems Biology*. New York: Springer Science and Business Media, pp. 2328-2329. DOI: https://doi.org/10.1007/978-1-4419-9863-7_217
3. **Faiola, A.** & Newlon C. (2011) Advancing Critical Care in the ICU: A Human-Centered Biomedical Data Visualization Systems. In: *Robertson M.M. (eds) Ergonomics and Health Aspects of Work with Computers. Ergonomics and Health Aspects of Work with Computers. Lecture Notes*

in *Computer Science*, Vol 6779. Springer, Berlin, Heidelberg, 119-128. https://doi.org/10.1007/978-3-642-21716-6_13

4. Bolchini D. & **Faiola A.** (2011) The Fusing of “Paper-in-Screen”: Reducing Mobile Prototyping Artificiality to Increase Emotional Experience. In: *Marcus A. (eds) Design, User Experience, and Usability. Theory, Methods, Tools and Practice. DUXU 2011. Lecture Notes in Computer Science*, vol 6770. Springer, Berlin, Heidelberg, 548-556. https://link.springer.com/chapter/10.1007/978-3-642-21708-1_61
5. **Faiola, A.** & Kharrazi, H. (2010). Diabetes education and serious gaming: Teaching adolescents to cope with diabetes. In: *B. M. Hayes and W. Aspray (Eds.), Health Informatics: A Patient-Centered Approach to Diabetes*. Cambridge, MA: MIT Press, pp. 151-178.
6. Duke J., **Faiola A.**, & Kharrazi H. (2009) A Novel Visualization Tool for Evaluating Medication Side-Effects in Multi-drug Regimens. In: *Jacko J.A. (eds) Human-Computer Interaction. Interacting in Various Application Domains. HCI 2009. Lecture Notes in Computer Science*, vol 5613. Springer, Berlin, Heidelberg, pp. 478-487. https://doi.org/10.1007/978-3-642-02583-9_52
7. **Faiola A.** & Smyslova O. (2009) Flow Experience in Second Life: The Impact of Telepresence on Human-Computer Interaction. In: *Ozok A.A., Zaphiris P. (eds) Online Communities and Social Computing. OCSC 2009. Lecture Notes in Computer Science*, vol 5621. Springer, Berlin, Heidelberg, 574-583. https://doi.org/10.1007/978-3-642-02774-1_62
8. Kharrazi H., **Faiola A.**, & Defazio J. (2009) Healthcare Game Design: Behavioral Modeling of Serious Gaming Design for Children with Chronic Diseases. In: *Jacko J.A. (eds) Human-Computer Interaction. Interacting in Various Application Domains. HCI 2009. Lecture Notes in Computer Science*, vol 5613. Springer, Berlin, Heidelberg, 335-344. https://doi.org/10.1007/978-3-642-02583-9_37
9. Luzcando E., Bolchini D., & Faiola A. (2009) Evaluating Usability-Supporting Architecture Patterns: Reactions from Usability Professionals. In: *Jacko J.A. (eds) Human-Computer Interaction. New Trends. HCI 2009. Lecture Notes in Computer Science*, vol 5610. Springer, Berlin, Heidelberg, 320-328. https://doi.org/10.1007/978-3-642-02574-7_36
10. **Faiola, A.** & Matei, S. (2007). Cultural cognitive style and the Web: Toward a theory and practice of web design for international users. In: *K. St. Amant (Ed.), Linguistic and Cultural Online Communication Issues in the Global Age*. Hershey, PA: Idea Group Published, pp. 143-159. <https://www.igi-global.com/book/linguistic-cultural-online-communication>
11. **Faiola A.**, & Voiskounsky A.E. (2007) Flow Experience of MUD Players: Investigating Multi-User Dimension Gamers from the USA. In: *Schuler D. (eds) Online Communities and Social Computing. OCSC 2007. Lecture Notes in Computer Science*, vol 4564. Springer, Berlin, Heidelberg, 324-333. https://doi.org/10.1007/978-3-540-73257-0_36
12. Faiola, A. (2005). Toward an HCI theory of cultural cognition. In: *C. Ghaoui (Ed.), Encyclopedia of Human-Computer Interaction*. Hershey, PA: Idea Group Published, pp. 609-614.

Books and Educational Workbooks [Total: 7]

1. **Faiola, A.** & Johnson, C. (Ed). (2004). *Psychology of human-computer interaction*. (Course Workbook) Indianapolis: IUPUI Publishing Services.
2. **Faiola, A.** & Larew, M. (Ed). (2004). *Human-computer interaction: Advanced concepts*. (Course Workbook) Indianapolis: IUPUI Publishing Services.
3. Faiola, A. (2003). *Typography for print and the Web: Web usability tools and methods*. (Шрифты для печати и Web-дизайна) Saint Petersburg, Russia: BHV Publishing GmbH.
4. Faiola, A. (Ed). (2003). *Human-computer interaction: Basic concepts for I300* (Course Workbook) Indianapolis: IUPUI Publishing Services.

5. Faiola, A. (Ed). (2002). *New media basics: Understanding message design theory in a post-information society*. New York: John Wiley and Sons, Inc., Custom Services.
 6. Faiola, A. (2000). *Typography primer*, Sewickley, PA: Graphic Arts Technical Foundation Press.
 7. Faiola, A. (Ed). (2001). *Human-computer interaction: An overview of theories for user interface design and usability*. New York: John Wiley and Sons, Inc., Custom Services.
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OTHER PUBLICATIONS

Non-Refereed Papers and Theses

1. Faiola, A. (2005). *Cross-cultural cognition and online information design: Identifying cognitive styles among web designers of diverse national origin*. Ann Arbor, MI: UMI.
<http://docs.lib.purdue.edu/dissertations/AAI3191458/>
2. Faiola, A. (2004). Advancing the design of more useable technologies: Human-computer interaction at IUPUI, *Informatics*, 2(2), 14-15.
3. Faiola, A. (2004). *Information Visualization: The mountain-view project*. *Informatics*, 2(2), 16.
4. Faiola, A. (2000). Culture and visual intelligence: A cross-cultural comparison of American and Russian students in visualization processes. *International Association for Cross-Cultural Psychology Bulletin*.
5. Faiola, A. (1989). Enhancing the skills of the graphic specialist for CBT development. *Instruction Delivery Systems*.12(5), 12-14.
6. Faiola, A. (1988). Principles and Guidelines for a Screen Display Interface. *VideoDisc Monitor*. 8(2), 27-29.
7. Faiola, A. (1984). *A computer-assisted instruction overview and prototype*. Unpublished master's thesis, The Ohio State University, Columbus, OH.
8. Faiola, A. (1979). *The transient object: A look at contemporary thinking and issues as applied to my recent artwork*. Master's Abstracts International, 65 1.