Yung-Ju (Stanley) Chang

Associate Professor
Department of Computer Science
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Education

University of Michigan, School of Information**,** Ann Arbor, MI Ph.D., Information Science Advisor: Prof. Mark W. Newman	2010 – 2016
University of Michigan, School of Information at, Ann Arbor, MI Master of Science, Information Science	2007 – 2009
National Chiao Tung University, Hsinchu, Taiwan Master of Science, Computer Science and Information Engineering	2001 – 2005

Research Interests
Human-computer Interaction, ubiquitous computing, interruption and attention, crowdsourcing, human-intelligence interaction

Employment

Stanford University, Stanford, CA
Visiting Scholar, Department of Communication, 2023-present

National Yang Ming Chiao Tung University, Hsinchu, Taiwan
Associate Professor, Department of Computer Science, 2020-present
Associate Professor, Institute of Communication Studies, 2022-present

National Chiao Tung University, Taiwan
Assistant Professor, Department of Computer Science, 2016-2020

University of Michigan, Ann Arbor, MI
Research Associate, 2016 - 2016

Teaching

User-Centered Interaction Design
Department of Computer Science, National Yang Ming Chiao Tung University.

User Experience and Usability Evaluation
Department of Computer Science, National Yang Ming Chiao Tung University

Human Computer Interaction Research
Department of Computer Science, National Yang Ming Chiao Tung University

Human Computer Interaction Capstone Project
Department of Computer Science, National Yang Ming Chiao Tung University

Introduction to Computer Science and Programming
Department of Computer Science, National Chiao Tung University

Publications

Peer-Reviewed Conference Papers

[C.1.] Fang-Yu Lin, Pei-Hua Tsai, Chia-Yi Lee, Yi-Ting Ho, Yao-Kuang Chen, Yu-Chun Yen, and **Yung-Ju Chang***. 2024. "I Prefer Regular Visitors to Answer My Questions": Users' Desired Experiential Background of Contributors for Location-based Crowdsourcing Platform. In CHI Conference on Human Factors in Computing Systems (CHI '24), 1–17.

[C.2.] Xi-Jing Chang, Fang-Hsin Hsu, En-Chi Liang, Zih-Yun Chiou, Ho-Hsuan Chuang, Fang-Ching Tseng, Yu-Hsin Lin, and **Yung-Ju Chang***. 2023. Not Merely Deemed as Distraction: Investigating Smartphone Users' Motivations for Notification-Interaction. In CHI Conference on Human Factors in Computing Systems (CHI '23), 1–17.

[C.3.] Yu-Chun Chen, Yu-Jen Lee, Kuei-Chun Kao, Jie Tsai, En-Chi Liang, Wei-Chen Chiu, Faye Shih, and **Yung-Ju Chang***. 2023. Are You Killing Time? Predicting Smartphone Users' Time-killing Moments via Fusion of Smartphone Sensor Data and Screenshots. In CHI Conference on Human Factors in Computing Systems (CHI '23), 1–19.

[C.4.] Yu-Ling Chou, Hsuan-Jen Lee, Jie Tsai, En-Chi Liang, and **Yung-Ju Chang***. 2023. I Like Their Autonomy and Closeness to Me: Uncovering the Perceived Appeal of Social-Media Influencers. In CHI Conference on Human Factors in Computing Systems (CHI '23), 1–19.

[C.5.] Hsinju Lee, Fang-Hsin Hsu, Wei-Ko Li, Jie Tsai, Ying-Yu Chen, and **Yung-Ju Chang***. 2023. Get Distracted or Missed the Stop? Investigating Public Transit Passengers' Travel-Based Multitasking Behaviors, Motives, and Challenges. In CHI Conference on Human Factors in Computing Systems (CHI '23), 1–14.

[C.6.] Fang-Ching Tseng, Zih-Yun Chiou, Ho-Hsuan Chuang, Li-Ting Su, Yong-Han Lin, Yu-Rou Lin, Yi-Chi Lee, Peng-Jui Wang, Uei-Dar Chen, and **Yung-Ju Chang***. 2023. Multiple Device Users' Actual and Ideal Cross-Device Usage for Multi-Stage Notification-Interactions: An ESM Study Addressing the Usage Gap and Impacts of Device Context. In Proceedings of the 2023 CHI Conference on Human Factors in Computing Systems (CHI '23), 1–15.

[C.7.] Lei Hsiung, **Yung-Ju Chang**, Wei-Ko Li, Tsung-Yi Ho, and Shan-Hung Wu*. 2022. A Lab-Based Investigation of Reaction Time and Reading Performance using Different In-Vehicle Reading Interfaces during Self-Driving. (Automotive UI '22)

[C.8.] Su-Fang Yeh, Meng-Hsin Wu, Tze-Yu Chen, Yen-Chun Lin, XiJing Chang, You-Hsuan Chiang, and **Yung-Ju Chang***. 2022. How to Guide Task-oriented Chatbot Users, and When: A Mixed-methods Study of Combinations of Chatbot Guidance Types and Timings. In CHI Conference on Human Factors in Computing Systems (CHI '22) ***Honorable Mention Award* (top 5%)**

[C.9.] Yu-Ling Chou, Yi-Hsiu Lin, Tzu-Yi Lin, Hsin Ying You, and **Yung-Ju Chang***. 2022. Why Did You/I Read but Not Reply? IM Users' Unresponded-to Read-receipt Practices and Explanations of Them. In CHI Conference on Human Factors in Computing Systems (CHI '22)

[C.10.] Yu-Ling Chou, Yu-Ling Chien, Yu-Hsin Lin, Kung-Pai Lin, Faye Shih, and **Yung-Ju Chang***. 2022. Because I'm Restricted, 2 – 4 PM Unable to See Messages: Exploring Users' Perceptions and Likely Practices around Exposing Attention Management Use on IM Online Status. In CHI Conference on Human Factors in Computing Systems (CHI '22), 1–18.

[C.11.] Kuan-Wen Chen, **Yung-Ju Chang***, and Liwei Chan. 2022. Predicting Opportune Moments to Deliver Notifications in Virtual Reality. In CHI Conference on Human Factors in Computing Systems (CHI '22).

[C.12.] Ting-Wei Wu, Yu-Ling Chien, Hao-Ping Lee, and **Yung-Ju Chang***. IM Receptivity and Presentation-type Preferences among Users of a Mobile App with Automated Receptivity-status Adjustment. In CHI Conference on Human Factors in Computing Systems (CHI '21)

[C.13.] Chia-En Chiang, Yu-Chun Chen, Fang-Yu Lin, Felicia Feng, Hao-An Wu, Hao-Ping Lee, Chang-Hsuan Yang, **Yung-Ju Chang***. 2021. "I Got Some Free Time": Investigating Task-execution and Task-effort Metrics in Mobile Crowdsourcing Tasks. (CHI '21)

[C.14.] Tzu-Chieh Lin, Yu-Shao Su, Emily Yang, Yun Han Chen, Hao-Ping Lee, and **Yung-Ju Chang***. 2021. "Put it on the Top, I'll Read it Later": Investigating Users' Desired Display Order for Smartphone Notifications. (CHI '21)

[C.15.] Yu-Lin Chang, Hao-Ping Lee, **Yung-Ju Chang***, Chih-Ya Shen, Inviting Participants' Peers in a Mobile Assessment Study: An Empirical Investigation. 2021. Proceedings of the

22st International Conference on Human-Computer Interaction with Mobile Devices and Services (MobileHCI '21)

[C.16.] Li-Hsing Zheng, Yao-Zhen Kuo, Jui Lo, **Yung-Ju Chang**, and Yu-Shuen Wang* 2021. Making Meals Both Appealing and Healthy: A Food Presentation Simulation System (C&C '21)

[C.17.] Pin-Yu Chen, Yu-Hsiu Chen, Hong-Han Shuai* and **Yung-Ju Chang**. 2021. Self-Attentive Recommendation system for multi-source review Package (IJCNN '21)

[C.18.] Ching-Yu Hsieh, Yi-Shyuan Chiang, Hung-Yu Chiu, and **Yung-Ju Chang***. 2020. Bridging the Virtual and Real Worlds: A Preliminary Study of Messaging Notifications in Virtual Reality. In Proceedings of the 2020 CHI Conference on Human Factors in Computing Systems (CHI '20)

[C.19.] Chi-Hsun Li, Su-Fang Yeh, Tang-Jie Chang, Meng-Hsuan Tsai, Ken Chen, and **Yung-Ju Chang***. 2020. A Conversation Analysis of Non-Progress and Coping Strategies with a Banking Task-Oriented Chatbot. In Proceedings of the 2020 CHI Conference on Human Factors in Computing Systems (CHI '20)

[C.20.] Yi-Shyuan Chiang, Ruei-Che Chang, Yi-Lin Chuang, Shih-Ya Chou, Hao-Ping Lee, I-Ju Lin, Jian-Hua Jiang Chen, and **Yung-Ju Chang***. 2020. Exploring the Design Space of User-System Communication for Smart-home Routine Assistants. In Proceedings of the 2020 CHI Conference on Human Factors in Computing Systems (CHI '20)

[C.21.] **Yung-Ju Chang***, Yi-Ju Chung, and Yi-Hao Shih. 2019. I Think It's Her: Investigating Smartphone Users' Speculation About Phone Notifications and Its Influence on Attendance. In Proceedings of the 21st International Conference on Human-Computer Interaction with Mobile Devices and Services (MobileHCI '19) ***Honorable Mention Award* (top 5%)**

[C.22.] Hao-Ping Lee, Kuan-Yin Chen, Chih-Heng Lin, Chia-Yu Chen, Yu-Lin Chung, **Yung-Ju Chang***, and Chien-Ru Sun. 2019. Does Who Matter?: Studying the Impact of Relationship Characteristics on Receptivity to Mobile IM Messages. In Proceedings of the 2019 CHI Conference on Human Factors in Computing Systems (CHI '19)

[C.23.] Kuan-Ting Ho, Chung-Ta King, Bhaskar Das, and **Yung-Ju Chang**. 2018. Characterizing display QoS based on frame dropping for power management of interactive applications on smartphones. In 2018 Design, Automation Test in Europe Conference Exhibition (DATE)

[C.24.] Hou-Ning Hu, Yen-Chen Lin, Ming-Yu Liu, Hsien-Tzu Cheng, **Yung-Ju Chang**, and Min Sun. 2017. Deep 360 Pilot: Learning a Deep Agent for Piloting through 360° Sports Videos. In 2017 IEEE Conference on Computer Vision and Pattern Recognition (CVPR '17)

[C.25.] Yen-Chen Lin, **Yung-Ju Chang**, Hou-Ning Hu, Hsien-Tzu Cheng, Chi-Wen Huang, and Min Sun. 2017. Tell Me Where to Look: Investigating Ways for Assisting Focus in 360 Video. In Proceedings of the 2017 CHI Conference on Human Factors in Computing Systems (CHI '17)

[C.26.] **Yung-Ju Chang,** Gaurav Paruthi, and Mark W. Newman. 2015. A field study comparing approaches to collecting annotated activity data in real-world settings. In Proceedings of the 2015 ACM International Joint Conference on Pervasive and Ubiquitous Computing (UbiComp '15)

[C.27.] **Yung-Ju Chang** and John C. Tang. 2015. Investigating Mobile Users' Ringer Mode Usage and Attentiveness and Responsiveness to Communication. In Proceedings of the 17th International Conference on Human-Computer Interaction with Mobile Devices and Services (MobileHCI '15)

[C.28.] **Yung-Ju Chang** and Mark W. Newman. 2015. Making Local Information More Accessible: A Diary Study of Information Channel Selection of Mobile Users. In Proceedings of the Third International Symposium of Chinese CHI (Chinese CHI '15).

[C.29.] **Yung-Ju Chang**, Pei-Yao Hung, and Mark Newman. 2012. TraceViz: "Brushing" for Location Based Services. In Proceedings of the 14th International Conference on Human-computer Interaction with Mobile Devices and Services (MobileHCI '12)

Peer-Reviewed Journal Papers

[J.1.] You-Hsuan Chiang, Je-Wei Hsu, Hsin-Lun Chiu, Chung-En Liu, Tzu-Yu Huang, and **<u>Yung-Ju Chang*</u>**. 2024. Verifying or Clarifying? User Preferences for Mobile Crowdsourcing in Response to Seemingly Inconsistent Sensor Data. Proc. ACM Hum.-Comput. Interact [To appear in Proc. ACM Hum.-Comput. Interact]

[J.2.] Yong-Han Lin, Li-Ting Su, Uei-Dar Chen, Yi-Chi Lee, Peng-Jui Wang, and **Yung-Ju Chang***. 2024. Pinning, Sorting, and Categorizing Notifications: A Mixed-methods Usage and Experience Study of Mobile Notification-management Features. Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT '24)

[J.3.] Tang-Jie Chang, Li-Ting Su, Yong-Han Lin, Jie Tsai, Zi-Xun Tang, and **Yung-Ju Chang***. 2024. "I Want Lower Tone for Work-Related Notifications": Exploring the Effectiveness of User-Assigned Notification Alerts in Improving User Speculation of and Attendance to Mobile Notifications. Proc. ACM Hum.-Comput. Interact. 8, MHCI: 267:1-267:25.

[J.4.] Yu-Jen Lee, Meng-Hsin Wu, Chung-Chiao Chang, Xi-Jing Chang, and **Yung-Ju Chang***. Investigating User-perceived Impacts of Contextual Factors on Opportune Moments. Proc. ACM Hum.-Comput. Interact. 8, MHCI: 269:1-269:28.

[J.5.] Chen-Chin Lin , Chia-Chen Wu , Ping-Ju Huang , Yu-Hsin Lai , Yi-Ting Ho , Chih-Chi Chung, **Yung-Ju Chang***. 2023. Scanning or Simply Unengaged in Reading? Opportune Moments for Pushed News Notifications and Their Relationship with Smartphone Users' Choice of News-reading Modes. Proc. ACM Hum.-Comput. Interact. 7, MHCI: 221:1-221:26.

[J.6.] Hao-Ping Lee, Yi-Shyuan Chiang, Yu-Ling Chou, Kung-Pai Lin, **Yung-Ju Chang***. 2023. What Makes IM Users (Un)Responsive: An Empirical Investigation for Understanding IM Responsiveness. International Journal of Human-Computer Studies.

[J.7.] Morgan Quinn Ross, Joseph Bayer*, Lisa Rhee, Ivory Potti, and **Yung-Ju Chang**. 2023. Tracking the temporal flows of mobile communication in daily life. New Media & Society 25, 4: 732–755.

[J.8.] Chieh Hsu, Hsin-Chien Tung, Hong-Han Shuai, **Yung-Ju Chang***. 2023. Predicting and Exploring Abandonment Signals in a Banking Task-Oriented Chatbot Service. International Journal of Human–Computer Interaction 0, 0: 1–15.

[J.9.] Chang (Molly) Mao, Joseph B. Bayer*, Morgan Q. Ross, Lisa Rhee, Huyen T. K. Le, Jerry Mount, Hsiu-Chi Chang, **Yung-Ju Chang**, Alexander Hedstrom, and Shelly R. Hovick. 2023. Perceived vs. observed mHealth behavior: A naturalistic investigation of tracking apps and daily movement. Mobile Media & Communication: 20501579221149824.)

[J.10.] Tzu-Hao Lin, Yen-Yun Liu, Hong-Han Shuai, Fang-Hsin Hsu, and **Yung-Ju Chang***. 2022. A Source You Prefer, or Majority? Investigating User Responses to Conflicting Opinions in Multi-Platform Restaurant-Review Lists. International Journal of Human–Computer Interaction 0, 0: 1–16.

[J.11.] Ting-Yu Kuo, **Yung-Ju Chang***, and Hung-Kuo Chu. 2022. Investigating Four Navigation Aids for Supporting Navigator Performance and Independence in Virtual Reality. International Journal of Human–Computer Interaction 0, 0: 1–18.

[J.12.] Sandrine R. Müller, Joseph B. Bayer*, Morgan Quinn Ross, Jerry Mount, Clemens Stachl, Gabriella M. Harari, **Yung-Ju Chang**, and Huyen T. K. Le. 2022. Analyzing GPS Data for Psychological Research: A Tutorial. Advances in Methods and Practices in Psychological Science 5, 2: 25152459221082680.

[J.13.] Ping-Jung Duh, Yu-Cheng Sung, Liang-Yu Fan Chiang, **Yung-Ju Chang**, and Kuan-Wen Chen*. 2020. V-Eye: A Vision-based Navigation System for the Visually Impaired. IEEE Transactions on Multimedia: 1–1.

[J.14.] **Yung-Ju Chang***, Chu-Yuan Yang, Ying-Hsuan Kuo, Wen-Hao Cheng, Chun-Liang Yang, Fang-Yu Lin, I-Hui Yeh, Chih-Kuan Hsieh, Ching-Yu Hsieh, and Yu-Shuen Wang. 2019. Tourgether: Exploring Tourists' Real-time Sharing of Experiences as a Means of Encouraging Point-of-Interest Exploration. Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies 3, 4: 128:1–128:25.

[J.15.] Marisa Meyer, Victoria Adkins, Nalingna Yuan, Heidi M. Weeks, **Yung-Ju Chang**, and Jenny Radesky*. 2019. Advertising in Young Children's Apps: A Content Analysis. Journal of Developmental & Behavioral Pediatrics 40, 1: 32.

[J.16.] Gaurav Paruthi, Shriti Raj, Seungjoo Baek, Chuyao Wang, Chuan-che Huang, **Yung-Ju Chang**, and Mark W. Newman*. 2018. Heed: Exploring the Design of Situated Self-Reporting Devices. Proc. ACM Interact. Mob. Wearable Ubiquitous Technol. 2, 3: 132:1–132:21.

[J.17.] Nalingna Yuan, Heidi M. Weeks, Rosa Ball, Mark W. Newman, **Yung-Ju Chang**, and Jenny S. Radesky*. 2019. How much do parents actually use their smartphones? Pilot study comparing self-report to passive sensing. Pediatric Research: 1.

[J.18.] Pei-Ying Chiang*, Han-Yu Chang, and **Yung-Ju Chang**. 2018. PotteryGo: A Virtual Pottery Making Training System. IEEE Computer Graphics and Applications 38, 2: 74–88.

[J.19.] Chih-Hsiang Hsu, Chia-Lun Ku, **Yung-Ju Chang**, Yu-Shuen Wang*, Uyn-Dinh Trân, Wen-Hao Cheng, Chu-Yuan Yang, Ching-Yu Hsieh, and Chun-Cheng Lin. 2018. iTour: Making Tourist Maps GPS-Enabled. Proc. ACM Interact. Mob. Wearable Ubiquitous Technol. 1, 4: 139:1–139:27.

[J.20.] **Yung-Ju Chang***, Gaurav Paruthi, Hsin-Ying Wu, Hsin-Yu Lin, and Mark W. Newman. 2017. An investigation of using mobile and situated crowdsourcing to collect annotated travel activity data in real-word settings. International Journal of Human-Computer Studies 102: 81–102.

Poster, Late-Breaking, Demo, and Presentations

[P.1.] You-Hsuan Chiang, Je-Wei Hsu, Chung-En Liu, Tzu-Yu Huang, Hsin-Lun Chiu, and **Yung-Ju Chang***. 2023. Investigating Users' Inclination of Leveraging Mobile Crowdsourcing to Obtain Verifying vs. Supplemental Information when Facing Inconsistent Smat-city Sensor Information. In Companion Publication of the 2023 Conference on Computer Supported Cooperative Work and Social Computing (CSCW '23), 338–342.

[P.2.] Yong-Han Lin, Li-Ting Su, Uei-Dar Chen, Peng-Jui Wang, Yi-Chi Lee, and **Yung-Ju Chang***. 2023. Automatic, Manual, or Hybrid? A Preliminary Investigation of Users' Perception of Features for Supporting Notification Management. In Adjunct Proceedings of the 2023 ACM International Joint Conference on Pervasive and Ubiquitous Computing & the 2023 ACM International Symposium on Wearable Computing (UbiComp/ISWC '23 Adjunct)

[P.3.] Yu-Rou Lin, Li-Lun Lin, Cheng-Hsun Wang, and **Yung-Ju Chang***. 2023. AdJustMoment: Customize Your Ad Watching Experience. In Adjunct Proceedings of the 2023 ACM International Joint Conference on Pervasive and Ubiquitous Computing & the 2023 ACM International Symposium on Wearable Computing (UbiComp/ISWC '23 Adjunct)

[P.4.] Peng-Jui Wang, Yi-Chi Lee, Uei-Dar Chen, and **Yung-Ju Chang***. 2023. NotiSummary: Exploring the Potential of AI-Driven Text Summarization on Smartphone Notification Management. In Adjunct Proceedings of the 2023 ACM International Joint Conference on Pervasive and Ubiquitous Computing & the 2023 ACM International Symposium on Wearable Computing (UbiComp/ISWC '23 Adjunct)

[P.5.] Chen-Chin Lin, Jian Hua Jiang Chen, Rebecca Ping Yu, Wan-Yun Yu, and **Yung-Ju Chang***. 2022. Screenshot Journey Auditor: A Tool to Support Analysis of Smartphone Media Consumption Journey Using Screenshot Data. In Companion Publication of the 2022 Conference on Computer Supported Cooperative Work and Social Computing (CSCW '22)

[P.6.] Chih-Chi Chung, Yen-Chun Lin, Yu-Cheng Wang, Tze-Yu Chen, Chia-Yu Chen, Xinye Jiang, Fang-Yu Lin, Yu Hao Weng, and **Yung-Ju Chang***. 2022. CAMPUS: A University Crowdsourcing Platform for Reporting Facility, Status Update, and Problem Area Information. In Companion Publication of the 2022 Conference on Computer Supported Cooperative Work and Social Computing (CSCW ' 22)

[P.7.] Hsuan-Jen Lee, Yu-Ling Chou, Jie Tsai, and **Yung-Ju Chang*** 2022. "This is Why I Like Them!": Exploring the Perceived Appeal of Social Media Influencers vs. Traditional Mass Media. In Companion Publication of the 2022 Conference on Computer Supported Cooperative Work and Social Computing (CSCW '22)

[P.8.] Yu-Chia Tseng, Nanyi Bi, Rebecca Ping Yu, **Yung-Ju Chang,** and Chien Wen (Tina) Yuan*. 2022. Investigating Correction Effects of Different Modalities for Misinformation about COVID 19. In Companion Publication of the 2022 Conference on Computer Supported Cooperative Work and Social Computing (CSCW '22)

[P.9.] Fang-Yu Lin, Chia-Yi Lee, Yi-Ting Ho, Yao-Kuang Chen, Grace Yu-Chun Yen, and **Yung-Ju Chang***. 2022. What Kinds of Experiences Do You Desire? A Preliminary Study of the Desired Experiences of Contributors to Location-Based Mobile Crowdsourcing. In CHI Conference on Human Factors in Computing Systems Extended Abstracts (CHI EA '22), 1–7.

[P.10.]Chung Chiao Chang, Meng-Hsin Wu, Yu-Jen Lee, XiJing Chang, and **Yung-Ju Chang***. 2021. Opportune Moments for the Multi-Stage Notification Responding Process: A Preliminary Investigation. In Adjunct Proceedings of the 2021 ACM International Joint Conference on Pervasive and Ubiquitous Computing and Proceedings of the 2021 ACM International Symposium on Wearable Computers (UbiComp/ISWC '21), 9–10.

[P.11.]Yu-Chun Chen, Keui-Chun Kao, Yu-Jen Lee, Faye Shih, Wei-Chen Chiu, and **Yung-Ju Chang***. 2021. Killing-Time Detection from Smartphone Screenshots. In Adjunct Proceedings of the 2021 ACM International Joint Conference on Pervasive and Ubiquitous Computing and Proceedings of the 2021 ACM International Symposium on Wearable Computers (UbiComp/ISWC '21), 15–16.

[P.12.]Ping-Ju Huang, Chia-Chen Wu, Yu-Hsin Lai, Chen-Chin Lin, and **Yung-Ju Chang***. 2021. Poster: I'm Interested, but Can/Would Only Skim It: Studying Smartphone Users' Receptivity to News Notifications. In Adjunct Proceedings of the 2021 ACM International

Joint Conference on Pervasive and Ubiquitous Computing and Proceedings of the 2021 ACM International Symposium on Wearable Computers (UbiComp/ISWC '21), 32–33.

[P.13.]Jian Hua Jiang Chen, Ming Yen Yeh, Chen-Chin Lin, **Yung-Ju Chang***, Wan-Yun Yu, and Rebecca Ping Yu. 2021. Occurrence and Triggers of Mobile News Exposure: A Screenshot-Based ESM Study. In Adjunct Proceedings of the 2021 ACM International Joint Conference on Pervasive and Ubiquitous Computing and Proceedings of the 2021 ACM International Symposium on Wearable Computers (UbiComp/ISWC '21), 13–14.

[P.14.]Jin-An Lin, Feng-Yi Hsu, Hsin-Yu Yao, Shang-Hsun Lu, Tsai-Yu Kuo, Chieh-Kai Lin, and **Yung-Ju Chang***. 2021. SYNC: A Crowdsourcing Platform for News Co-editing. In Companion Publication of the 2021 Conference on Computer Supported Cooperative Work and Social Computing (CSCW '21), 126–129.

[P.15.] Kung-Pai Lin, Hao-Ping (Hank) Lee, Yu-Ling Chou, Faye Shih, and **Yung-Ju Chang***. 2021. Distinguishing IM Communication Patterns with Relationship and Conversation Topics. In Companion Publication of the 2021 Conference on Computer Supported Cooperative Work and Social Computing (CSCW '21), 121–125.

[P.16.] Meng-Hsin Wu, Su-Fang Yeh, XiJing Chang, and **Yung-Ju Chang***. 2021. Exploring Users' Preferences for Chatbot's Guidance Type and Timing. In Companion Publication of the 2021 Conference on Computer Supported Cooperative Work and Social Computing (CSCW '21), 191–194.

[P.17.] Yu-Wei Yang, Chieh Hsu, Hsin-Chien Tung, Hong-Han Shuai and **Yung-Ju Chang***. (2021). Tell Me When Users Leave: Predicting Users' Abandonment of a Task-Oriented Chatbot Service using Explainable Deep Learning (CUI EA '21)

[P.18.] Hsiu-Chi Chang, **Yung-Ju Chang***, Mark W. Newman, and Chih-Hsin Lin. 2020. Combining Participatory and ESM: A Hybrid Approach to Collecting Annotated Mobility Data. In Extended Abstracts of the 2020 CHI Conference on Human Factors in Computing Systems (CHI EA '20), 1–7.

[P.19.] Tang-Jie Chang, Jian-Hua Jiang Chen, Hao-Ping Lee, and **Yung-Ju Chang***. 2020. A preliminary attempt of an intelligent system predicting users' correctness of notifications' sender speculation. In Adjunct Proceedings of the 2020 ACM International Joint Conference on Pervasive and Ubiquitous Computing and Proceedings of the 2020 ACM International Symposium on Wearable Computers (UbiComp-ISWC '20), 13–16.

[P.20.] Chia-En Chiang, **Yung-Ju Chang***, and Felicia Feng. 2020. Effects of activity breakpoints on mobile crowdsourcing task performance. In Adjunct Proceedings of the 2020 ACM International Joint Conference on Pervasive and Ubiquitous Computing and Proceedings of the 2020 ACM International Symposium on Wearable Computers (UbiComp-ISWC '20), 21–24.

[P.21.] Piotr Kotlinski, Xi-Jing Chang, Yang Chih-Yun, Wei-Chen Chiu, and **Yung-Ju Chang***. 2020. Using gamification to create and label photos that are challenging for computer vision and people. In Adjunct Proceedings of the 2020 ACM International Joint

Conference on Pervasive and Ubiquitous Computing and Proceedings of the 2020 ACM International Symposium on Wearable Computers (UbiComp-ISWC '20), 59–62.

[P.22.] Ting-Yu Kuo, Hung-Kuo Chu, and **Yung-Ju Chang***. 2020. Comparing the effects of reference-based, orientation-based, and turn-by-turn navigation guidance on users' independent navigation. In Adjunct Proceedings of the 2020 ACM International Joint Conference on Pervasive and Ubiquitous Computing and Proceedings of the 2020 ACM International Symposium on Wearable Computers (UbiComp-ISWC '20), 63–66.

[P.23.] Tzu-Chieh Lin, Yu-Shao Su, Emily Yang, Yun Han Chen, Hao-Ping Lee, and **Yung-Ju Chang***. 2020. A preliminary investigation of the mismatch between attendance order and desired display order of smartphone notifications. In Adjunct Proceedings of the 2020 ACM International Joint Conference on Pervasive and Ubiquitous Computing and Proceedings of the 2020 ACM International Symposium on Wearable Computers (UbiComp-ISWC '20), 71–74.

[P.24.] Yu-Lin Chang, **Yung-Ju Chang***, and Chih-Ya Shen. 2019. She is in a Bad Mood Now: Leveraging Peers to Increase Data Quantity via a Chatbot-Based ESM. In Proceedings of the 21st International Conference on Human-Computer Interaction with Mobile Devices and Services (MobileHCI '19), 1–6.

[P.25.] Yu-Ling Chien, Ting-Wei Wu, and **Yung-Ju Chang***. 2019. Exploring the Design of Availability Status in Mobile IM Messaging with User Enactments. In Proceedings of the 21st International Conference on Human-Computer Interaction with Mobile Devices and Services (MobileHCI '19), 1–6.

[P.26.] Chi-Kai Ho, Chung-Ta King*, and **Yung-Ju Chang**. 2019. SCQ: Stage-Based, Context-Aware, QoE-Driven Power Optimization for Interactive Applications on Mobile Devices. In 2019 20th IEEE International Conference on Mobile Data Management (MDM), 343–345.

[P.27.] Albert Budi Christian, Cheng-Wei Wu, Wan-Hsun Hu, **Yung-Ju Chang**, and Yu-Chee Tseng. 2019. A New Online Charging System Based on Context of Mobile Users. In 2019 IEEE International Conference on Consumer Electronics - Taiwan (ICCE-TW), 1–2.

[P.28.] Hao-Ping Lee, Tilman Dingler, Chih-Heng Lin, Kuan-Yin Chen, Yu-Lin Chung, Chia-Yu Chen, and **Yung-Ju Chang***. 2019. Predicting Smartphone Users' General Responsiveness to IM Contacts Based on IM Behavior. In Proceedings of the 21st International Conference on Human-Computer Interaction with Mobile Devices and Services (MobileHCI '19), 1–6.

[P.29.] Chi-Hsun Li, Ken Chen, and **Yung-Ju Chang***. 2019. When There is No Progress with a Task-Oriented Chatbot: A Conversation Analysis. In Proceedings of the 21st International Conference on Human-Computer Interaction with Mobile Devices and Services (MobileHCI '19), 1–6.

[P.30.] Yu-Wei Wang, Tse-Yu Pan, **Yung-Ju Chang**, and Min-Chun Hu*. 2019. Vibration Feedback Controlled by Intuitive Pressing in Virtual Reality. In 2019 IEEE International Conference on Artificial Intelligence and Virtual Reality (AIVR), 195–1953.

[P.31.] Gaurav Paruthi, Shriti Raj, Ankita Gupta, Chuan-Che Huang, **Yung-Ju Chang**, and Mark W Newman*. 2017. HEED: situated and distributed interactive devices for self-reporting. In Proceedings of the 2017 ACM International Joint Conference on Pervasive and Ubiquitous Computing and Proceedings of the 2017 ACM International Symposium on Wearable Computers (UbiComp '17), 181–184.

[P.32.] **Yung-Ju Chang**, Pei-Yao Hung, and Mark Newman*. 2012. TraceViz: "Brushing" for Location Based Services. In Proceedings of the 14th International Conference on Human-computer Interaction with Mobile Devices and Services (MobileHCI '12), 345–348.

[P.33.] **Yung-Ju Chang**, Lezhong Li, Shih-Hsuan Chou, Min-Chih Liu, and Surong Ruan. 2013. Xpress: Crowdsourcing Native Speakers to Learn Colloquial Expressions in a Second Language. In CHI '13 Extended Abstracts on Human Factors in Computing Systems (CHI EA '13), 2555–2560.

[P.34.] **Yung-Ju Chang** and Mark W. Newman*. 2012. Understanding How Trace Segmentation Impacts Transportation Mode Detection. In Proceedings of the 2012 ACM Conference on Ubiquitous Computing (UbiComp '12), 625–626.

[P.35.] Ming Jiang, Tao Dong, and **Yung-Ju Chang**. 2011. Structure and Reciprocity in Technology-Centered Q&A Communities. In Fifth International AAAI Conference on Weblogs and Social Media.

Workshop Papers

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[2] 探索跨裝置智慧通知系統傳送數位內容通知之適切時機 (No. 110-2222-E-A49 -008 -MY3), 2021
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[4] 數位金融資料中研發多維度數位金融魔方探勘技術與應用 (No. 108-3011-F-011 -001, Co-PI), 2020
[5] 輔助視障者公車搭乘計畫—服務體驗設計與開發--輔助視障者公車搭乘計畫—服務體驗設計與開發 (No. 108-3011-F-011 -001, Co-PI), 2019
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[7] 『注意力中心之社群運算』:建立資訊接受度感知之行動通知與電腦媒介溝通系統 (No. 107-2218-E-009 -030 -MY3, Co-PI), 2018
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Award

Computer Science Outstanding Young Scholar Award, **2023**
National Yang Ming Chiao Tung University, Hsingchu, Taiwan

Teaching Award, College of Computer Science 2021
National Yang Ming Chiao Tung University, Hsingchu, Taiwan

MediaTek Junior Chair Professor Program Award, 2016
National Chiao Tung University, Hsingchu, Taiwan

Rackham Chia-Lun Lo Fellowship, 2013
University of Michigan, Ann Arbor, MI, USA

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Taichi 2017, Program Co-Chairs, & Program Committee

Taichi 2016, Poster Co-Chairs, & Program Committee

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