TEXAS STATE VITA

I. Academic/Professional Background

A. Name: Tzee-Kiu Edwin Chow Title: Professor

B. Educational Background

Degree	*Year*	*University*	*Major*	*Thesis/Dissertation*
Ph. D.	2005	University of South Carolin	a	Geography The Role of Scale in Modeling Hydrologic Response
M.S.	2002	University of South Carolina	Geography	Sensitivity of Modeled Peak Discharge to LIDAR Post-Spacing and DEM Resolution
B.A.	2000	University of Texas at Austin	Geography	--

C. University Experience

Position	*University*	*Dates*
Professor	Texas State University	Aug 2019 – Present
Associate Professor	Texas State University	Aug 2013 – July 2019
Visiting Associate Professor	University of Hong Kong	Aug 2015 – July 2016
Assistant Professor	Texas State University	Aug 2009 – July 2013
Assistant Professor	University of Michigan – Flint	Aug 2005 – May 2009
Instructor	University of South Carolina	Jan 2004 – May 2004
Teaching Assistant	University of South Carolina	Aug 2004 – May 2005
		Aug 2002 – Dec 2003

D. Relevant Professional Experience

Position	*Entity*	*Dates*
Research Assistant	Savannah River Ecological Laboratory	Jan 2003 – Dec 2003
Research Assistant	Richland County, South Carolina	Aug 2000 – May 2002
Software Products Intern	Environmental System Research Institute	June 2001 – Aug 2001
GIS Analyst	City of Austin	June 1999 – Aug 1999

E. Other Professional Credentials (licensure, certification, etc.)

II. TEACHING

A. Teaching Honors and Awards:

2020 Teaching Award of Honor, Texas State Alumni Association (Texas State University).
2018 Favorite Professor honor, Alfred H. Nolle Chapter of Alpha Chi National Honor Scholarship Society (Texas State University).
2014 Favorite Professor honor, Alfred H. Nolle Chapter of Alpha Chi National Honor Scholarship Society (Texas State University).
2013 Favorite Professor honor, Alfred H. Nolle Chapter of Alpha Chi National Honor Scholarship Society (Texas State University).
2012 Outstanding Professor Award, Graduate forum, Department of Geography (Texas State University).
2010 Favorite Professor honor, Alfred H. Nolle Chapter of Alpha Chi National Honor Scholarship Society (Texas State University).
2008 Distinguished Professor Award Nomination, University of Michigan – Flint.
2008 Golden Apple Recipient, University of Michigan – Flint.
2007 Distinguished Professor Award Nomination, University of Michigan – Flint.
2006 Golden Apple Recipient, University of Michigan – Flint.

B. Courses Taught:

Course No.	*Course Title*	*Institution*
GEO 7418	Technical Foundation & Methods in GIS	Texas State University
GEO 7399	Dissertation	Texas State University
GEO 7390	Independent Study	Texas State University
GEO 7364	Geocomputation	Texas State University
GEO 7318	GIS and Environmental Geography	Texas State University
GEO 5419	Geographic Information Systems II	Texas State University
GEO 5418/7417	Geographic Information Systems I	Texas State University
GEO 5408/4422	Web Mapping	Texas State University
GEO 5399	Thesis	Texas State University
GEO 5335	Directed Research	Texas State University
GEO 5301	Multivariate Quantitative Methods	Texas State University
GEO 4420	GeoSimulation (study abroad program)	Texas State University
GEO 4420	GeoProgramming	Texas State University
GEO 4310/5308	Regional Field Studies	Texas State University
GEO 3426	Advanced GIS	Texas State University
GEO 3333	Geography of East Asia	Texas State University
GEO 2426	Fundamentals of GIS	Texas State University
GEOG 6007	Research Methods in Geography	University of Hong Kong
GEOG 7136	Research Methods and Directed Projects in China Development Studies	University of Hong Kong

GEO 499	Independent Study	University of Michigan – Flint
GEO 498	Research in Geoscience	University of Michigan – Flint
GEO 404	Spatial Analysis Seminar	University of Michigan – Flint
GEO 372	Biogeography	University of Michigan – Flint
GEO 331	Geomorphology and Soils	University of Michigan – Flint
GEO 203	Introduction to Spatial Analysis	University of Michigan – Flint
RPL 470	GIS Practicum	University of Michigan – Flint
RPL 371	GIS II	University of Michigan – Flint
RPL 370	GIS I	University of Michigan – Flint
ENV 289	Web Mapping	University of Michigan – Flint
ENV 100	Introduction to Environmental Science	University of Michigan – Flint
GEOG E363	Introduction to GIS	University of South Carolina

C. Graduate Theses/Dissertations or Exit Committees (if supervisor, please indicate):

Role	*Student Name*	*Degree*	*Graduated*
Supervisor	David Hickman	M.S.	Spring 2011
Supervisor	Nicholas Ferri	M.A.Geo.	Spring 2012
Supervisor	Joseph Nicosia	M.A.Geo.	Summer 2012
Supervisor	Richard Lee	M.A.Geo.	Fall 2013
Supervisor	Sharmila Partab	M.A.Geo.	Fall 2013
Supervisor	Khila Dahal	Ph.D.	Spring 2014
Supervisor	Victoria Stengel	M.S.	Spring 2014
Supervisor	Nathaniel Dede-Bamfo	Ph.D.	Spring 2017
Supervisor	Alex Martinez	M.A.Geo.	Summer 2017
Supervisor	Thomas Pesek	M.A.Geo.	Spring 2018
Supervisor	Abdullatif Alyaqout	M.S.	Summer 2018
Supervisor	Anna Essington	M.A.Geo.	Summer 2018
Supervisor	Han Lu	M.A.Geo.	Fall 2018
Supervisor	Mayowa Lasode	M.A.Geo.	Summer 2019
Supervisor	Joyce Chien	M.A.Geo.	Fall 2019
Supervisor	Abdullatif Alyaqout	Ph.D.	Spring 2021
Supervisor	Nathan Pasley	M.S.	Fall 2022
Supervisor	Ryan Bobo	M.A.Geo.	Fall 2023
Supervisor	Timothy Szpakowski	M.A.Geo.	Fall 2023
Supervisor	Melissa Jurrens Ruiz	M.A.Geo.	Fall 2023
Supervisor	Eric Fotey	M.A.Geo.	Spring 2024
Committee member	Jennifer Knowles	M.A.Geo.	Summer 2011
Committee member	P. Chance Kinnison	M.S.	Spring 2012
Committee member	Robert Landauer	M.A.Geo.	Spring 2012
Committee member	Ryan Schuermann	M.S.	Summer 2012
Committee member	Paul Crossley	M.S.	Fall 2012
Committee member	Shelby Coder	M.S.	Fall 2012
Committee member	Gregory Mavian	M.A.Geo.	Fall 2012
Committee member	Gregory Mast	M.S.	Spring 2013
Committee member	Alisha Jimenez	M.S.	Spring 2013
Committee member	Melissa Holmes	M.S.	Spring 2013
Committee member	Eric Clennon	M.A.Geo.	Spring 2013

Committee member	Guinevere McDaid	M.S.	Summer 2013
Committee member	Justin McCreight	M.S.	Fall 2013
Committee member	Ryan Spencer	M.A.Geo.	Fall 2013
Committee member	David Nicosia	Ph.D.	Fall 2013
Committee member	Brandon Blackmon	M.A.Geo.	Spring 2014
Committee member	Yan Lin	Ph.D.	Spring 2014
Committee member	Kanika Verma	Ph.D.	Spring 2014
Committee member	Monique Nava	M.A.Geo.	Summer 2014
Committee member	Dana Scanes	M.S.	Spring 2015
Committee member	Luke Dailey	M.A.Geo.	Spring 2015
Committee member	Brad Jackson	M.S.	Spring 2015
Committee member	David Parr	Ph.D.	Summer 2015
Committee member	David Melancon	M.A.Geo.	Fall 2015
Committee member	Xi Gong	Ph.D.	Spring 2016
Committee member	Ming Leung^	Ph.D.	Fall 2016
Committee member	Pak Hong Ricci Yue^	Ph.D.	Spring 2017
Committee member	John Phillips	M.S.	Spring 2017
Committee member	Jinhee Lee	Ph.D.	Summer 2017
Committee member	David Andresen	M.S.	Fall 2017
Committee member	Ugochukwu Umeokafor	M.A.Geo.	Spring 2018
Committee member	Mogahid Adam Ahmed Hussein	M.S.	Spring 2018
Committee member	Ruojing Scholz	Ph.D.	Spring 2018
Committee member	Fangda Lu	M.A.Geo.	Summer 2018
Committee member	Lucas Chavez	M.S.	Fall 2019
Committee member	Yunuen R. Langarica	Ph.D.	Fall 2019
Committee member	David Szpakowski	Ph.D.	Summer 2020
Committee member	Milad Korde	Ph.D.	Spring 2021
Committee member	Ting Hsuan Yang	M.A.Geo.	Spring 2021
Committee member	Elena Shabalina	M.S.	Fall 2021
Committee member	Dane Atkins	Ph.D.	Spring 2022
Committee member	John Moore	M.A.Geo	Summer 2022
Committee member	Ally Schlandt	M.S.	Fall 2022
Committee member	Carlos Soto	M.S.	Spring 2023
Committee member	Yusik Choi	Ph.D.	Spring 2023
Committee member	Priyanjali Bose	M.S.	Fall 2023
Committee member	Amy Jackson	M.S.	Fall 2023
Committee member	Christine Love	Ph.D.	Spring 2024
Committee member	Chijioke Anyanwu	Ph.D.	Spring 2024
Committee member	Khan Mortuza Bin Asad	Ph.D.	Summer 2024
Committee member	Xiu Wu	Ph.D.	Summer 2024
Committee member	Jinli Liu	Ph.D.	Fall 2024
Committee member	Nakky Ekeanyanwu	Ph.D.	Fall 2025
Supervisor	Md Tousif Tanzir	Ph.D.	ABD
Supervisor	Fahmina Ibrahim	Ph.D.	In Progress
Supervisor	Ryan Schumann	Ph.D.	In Progress
Supervisor	Avery Johnson	M.A.Geo	In Progress
Supervisor	Emily Moreno	M.A.Geo	In Progress

Supervisor	Luke Cameron	B.S. Honor Thesis	In Progress
Committee member	Michael Boyle	Ph.D.	ABD
Committee member	Pingping Wang	Ph.D.	ABD
Committee member	Yanyan Liu	Ph.D.	ABD
Committee member	Joshua Knolla	Ph.D.	In Progress
Committee member	David Mills	Ph.D.	In Progress
Committee member	Mogahid Adam Ahmed Hussein	Ph.D.	In Progress
Committee member	Yubin Lee	M.S.	In Progress
Committee member	Mason Miller	M.S.	In Progress
Committee member	Brittiny Moore	M.S.	In Progress

^ *University of Hong Kong*

D. Courses Prepared (Revised) and Curriculum Development:

Course No.	*Course Title*	*Institution*
GEO 7364	Geocomputation	Texas State University
GEO 5419	GIS II	Texas State University
GEO 4393C	GeoProgramming	Texas State University
GEO 4310	Regional Field Studies: Geographies of Taiwan	Texas State University
GEO 3333	Geography of East Asia	Texas State University
GEO 404	Spatial Analysis Seminar	University of Michigan – Flint
RPL 470	GIS Practicum	University of Michigan – Flint

E. Funded External Teaching Grants and Contracts:

2010 Geography Education Material Development – American Association of Geographers (AAG) Companion Multimedia Educational Website for "Understanding the Changing Planet", AAG (PI: N. T. Huynh; Co-PIs: T. E. Chow, J. Jensen and O. Muniz), $17,000 (2010-2011).

F. Submitted, but not Funded, External Teaching Grants and Contracts:

G. Funded Internal Teaching Grants and Contracts:

2019 "Study Abroad Program: Geographies of HK", Program Development Mini Grant, Texas State University, $2,571.

2007 Course Design Fellowship, University of Michigan – Flint, $1,630.

2006 Faculty Development Pedagogical Grant, University of Michigan – Flint, $3,000.

H. Submitted, but not Funded, Internal Teaching Grants and Contracts:

I. Other:

III. SCHOLARLY/CREATIVE

A. Works in Print

1. Books (if not refereed, please indicate)

a. Scholarly Monographs:

b. Textbooks:

c. Edited Books:

d. Chapters in Books: [corresponding author *; student author ^]

7) *Yuan, Y., Y. Qiang, K. Bin Asad^, and **Chow, T. E**., 2020. Point Pattern Analysis. *The Geographic Information Science & Technology Body of Knowledge* (1st Quarter 2020 Edition), John P. Wilson (ed.). https://doi:10.22224/gistbok/2020.1.13

6) * **Chow, T. E.**, and Yuan, Y., 2019. GIS APIs. *The Geographic Information Science & Technology Body of Knowledge* (2nd Quarter 2019 Edition), John P. Wilson (Ed.). https://DOI.org/10.22224/gistbok/2019.2.15.

5) ***Chow, T. E.**, and B. Kar. 2017, "Challenges in Error/Accuracy Assessment for Fused Data - Remote Sensing and GIS", Integrating Scale in Remote Sensing and GIS. Edited by Quattrochi D., E. A. Wentz, N. Lam, and C. Emerson, (CRC Press), pp. 125-156.

4) *Kar, B. and **Chow, T. E.**, 2017, "Issues of and Techniques for Data Fusion and Multi-Scaling of Spatial Data", Integrating Scale in Remote Sensing and GIS. Edited by Quattrochi D., E. A. Wentz, N. Lam, and C. Emerson, (CRC Press), pp. 95-124. [refereed]

3) **Chow, T. E.**, 2013. "We know who you are and we know where you live": A research agenda of web demographics, *Crowdsourcing Geographic Knowledge. Volunteered Geographic Information (VGI) in Theory and Practice*. Edited by Sui D., S. Elmwood and M. Goodchild, (Dordrecht, Netherland: Springer). pp. 265-285. https://doi.org/10.1007/978-94-007-4587-2_15.

2) **Chow, T. E.**, 2011. "Geography 2.0 – A Mashup Perspective", *Advances in Web-based GIS, Mapping Services and Applications*. Vol. of ISPRS Book Series, edited by S. Dragicevic and S. Li, (Taylor & Francis), pp. 15-36. [refereed]

1) Gaines, K. F., **T. E. Chow**, and S. A. Dyer., 2008. "Exposure and Exposure Assessment", *Ecotoxicology*. Vol. [2] of Encyclopedia of Ecology, 5 vols., edited by S. E. Jørgensen and B. D. Fath, (Oxford: Elsevier), pp. 1527-1534. [refereed]

e. Creative Books:

2. Articles

a. Refereed Journal Articles: [corresponding author *; student author ^]

39) **Chow*, T. E.**, T. H. Yang^ and Y. Yan, In press, The uncertainties and potential of locational-based social media for floodscape mapping, *Big Earth Data*.

38) Clark^*, A. E., M. K. Lasode^, K. B. Asad^ and **T. E. Chow**, 2025, Site assessment for new fire stations: A case study in Austin, Texas, *Southwestern Geographers*. 22: 3-23. https://doi.org/10.63795/wy5mdt86.

37) Jackson^, A. P., S. Anderson, N. Currit and **T. E. Chow**, 2025, Sky brightness in Texas: A comparative study between international dark sky places and control communities, *Journal of Environmental Management*. 381: 124842, https://doi.org/10.1016/j.jenvman.2025.124842.

36) Yuan, Y*., **T.E. Chow**, P. Wang^, F. Wang, 2025. A review of third-party traffic data for public and private use: opportunities and challenges, *Advances in Transportation Studies*. 65, 185–202. https://doi.org/10.53136/97912218174912-pag.185-202.

35) Bobo*^, T. R., **T. E. Chow**, Y. Yuan, 2024, Floor-level Occupancy Estimation of a Multi-Story Building Using Coarse Wi-Fi Data, *Papers in Applied Geography,* 1-27. https://doi.org/10.1080/23754931.2024.2407069

34) **Chow, T. E.***, D.P. Sanchez^, P. Amatya, M.T. Tanzir^, 2024, Identification and analysis of Multiple Launch Rocket System deployment: The war in Ukraine, *Applied Geography*. 164: 103206. https://doi.org/10.1016/j.apgeog.2024.103206

33) Szpakowski, D. M., J. L. R. Jensen*, **T. E. Chow** and D. R. Butler, 2023, Assessing the use of burn ratios and red-edge spectral indices for detecting fire effects in the greater Yellowstone ecosystem, A study of the relationship between fire hazard and burn

severity in Grand Teton National Park, USA, *Forests*. 14(7): 1508. https://doi.org/10.3390/f14071508

32) **Chow, T. E.***, J. Chien and K. Meitzen, 2023, Validating the Quality of Volunteered Geographic Information (VGI) for Flood Modeling of Hurricane Harvey in Houston, Texas, *Hydrology*. (10)5: 113. https://doi.org/10.3390/hydrology10050113

31) **Chow**, **T. E.***, P.S.F. Yip and K.-P. Wong, 2023, An integrated framework of mobile crowd estimation for the 2019, July 1st rally in Hong Kong, *Multimedia Tools and Applications*.82: 43349–43366. https://doi.org/10.1007/s11042-023-15417-7

30) Dede-Bamfo*, N., **T. E. Chow**, and C. Ekeanyanwu^, 2023, Local perspective on spatial accessibility to market in the Afram Plains, Ghana, *International Journal of Applied Geospatial Research*. 14(1): 322409. https://doi.org/10.4018/IJAGR.322409

29) Zhang, J., X. Wu^* and **T. E. Chow**, 2021, Space-time cluster's detection and geographical weighted regression analysis of COVID-19 mortality impacts on Texas counties, USA, *International Journal of Environmental Research and Public Health*. 18(11): 5541. https://doi.org/10.3390/ijerph18115541

28) Szpakowski^, D. M., J. L. R. Jensen*, D. R. Butler and **T. E. Chow**, 2021, A study of the relationship between fire hazard and burn severity in Grand Teton National Park, USA, *International Journal of Applied Earth Observations and Geoinformation*. 98: 102305. https://doi.org/10.1016/j.jag.2021.102305

27) Suh*, T., and **Chow, T. E.**, 2021, Developing a digital marketing tool for ethnic ventures' mixed business model and marketing-shaping: A design scientific approach of web demographics, *Industrial Marketing Management*. 93: 10-21. https://doi.org/10.1016/j.indmarman.2020.12.014

26) Lasode^*, M. K., **T. E. Chow**, R. R. Hagelman, R. D. Blanchard, O. O. Lasode, A. E. Iyanda, 2021, The impact of homelessness in social vulnerability assessment: A case study in Austin, TX, *Social and Economic Geography*. 6(1): 1-12. https://doi.org/10.12691/seg-6-1-1

25) **Chow*, T. E.**, Y. Choi^, M. Yang^, D. Mills^, R. P. H. Yue, 2020, Geographic pattern of human mobility and COVID-19 before and after Hubei Lockdown, *Annals of GIS*. https://doi.org/10.1080/19475683.2020.1841828

24) Reygadas^*, Y., J. L. R. Jensen, G. G. Moisen, N. Currit and **T. E. Chow**, 2020. Assessing the relationship between vegetation greenness and surface temperature through Granger causality and Impulse-Response coefficients: a case study in Mexico, *International Journal of Remote Sensing*. 41(10): 3761-3783. https://doi.org/10.1080/01431161.2019.1711241.

23) **Chow*, T. E.**, M. Ng, D. W. S. Wong, and C. C. Chan^, 2019, Exploratory multivariate space-time analysis of colonial justice in Hong Kong during 1900-1930, *GeoJournal*. https://doi.org/10.1007/s10708-019-10066-6.

22) Yuan*, Y., Y. Lu, **T. E. Chow**, C. Ye, A. Alyaqout^, Y. Liu, 2019, Social Media Enabled Smart Cities: Who, Where, When, and What? *Special Issue of Annals of the American Association of Geographers (AAG)*. 110(2): 462-475. https://doi.org/10.1080/24694452.2019.1631144.

21) **Chow*, T. E.**, 2019, A crowdsourcing-geocomputational framework of mobile crowd simulation and estimation, *Cartography and Geographic Information Science*. 46(1): 2-20. https://doi.org/10.1080/15230406.2018.1524314.

20) **Chow*, T. E.**, and Martinez^, A., 2018, Site selection of offshore wind farms using fuzzy modeling: A case in Massachusetts, *Northeastern Geographer*. 10: 1-26.

19) **Chow*, T. E.**, R. T. Schuermann^, A. H. H. Ngu and Khila R. Dahal, 2018, Spatial mining of migration pattern from web demographics, *International Journal of Geographic Information Science*. 32(10): 1977-1998. https://doi.org/10.1080/13658816.2018.1470633.

18) Ng*, M., **T. E. Chow** and D. W. S. Wong, 2016, Geographical Dimension of Colonial Justice: Using GIS in Research on Law and History, *Law and History Review*. 34(4): 1027-1045. https://doi.org/10.1017/S073824801600033X.

17) **Chow*, T. E.**, N. Dede-Bamfo^, and K.R. Dahal^, 2016, Geographic Disparity of Positional Errors and Matching Rate of Residential Addresses among Geocoding Solutions, *Annals of GIS*. 22(1):29-42. https://doi.org/10.1080/19475683.2015.1085437.

16) Lee^*, R. J., and **Chow, T. E.**, 2015, Post-wildfire assessment of vegetation regeneration in Bastrop, Texas using Landsat imagery, *Geographic Information Science & Remote Sensing*. 52(5): 609-626. https://doi.org/10.1080/15481603.2015.1055451.

15) Dahal^*, K. R., and **Chow, T. E.**, 2015, Characterization of the neighborhood sensitivity of irregular cellular automata model of urban growth, *International Journal of Geographic Information Science*. 29(3): 475-497. https://doi.org/10.1080/13658816.2014.987779.

14) Medel^*, M., Y. Lu and **T. E. Chow,** 2015, Mexico's drug network: modeling the smuggling routes towards the United States, *Applied Geography*. 60: 240-247. https://doi.org/10.1016/j.apgeog.2014.10.018.

13) Dahal^*, K. R., and **Chow, T. E.**, 2014, An Agent-Integrated Irregular Automata model of urban land use dynamics, *International Journal of Geographic Information Science*. 28(11): 2281-2303. https://doi.org/10.1080/13658816.2014.917646.

12) Dahal^*, K. R., and **Chow, T. E.**, 2014, Parcel-Divider: a GIS toolset for automated partitioning of urban lands, *Environmental Modeling and Software*. 55: 222-234. https://doi.org/10.1016/j.envsoft.2014.01.024.

11) Hickman^, D., and **Chow*, T. E.**, 2012, Development of a composite model of quality of life: a case study in Austin, Texas. *Geographic Information Science and Remote Sensing*. 49(6): 802-821. https://doi.org/10.2747/1548-1603.49.6.802.

10) Duarte^*, A., D. M. Wolcott^, **T. E. Chow**, and M. A. Ricca, 2012, Identifying and prioritizing recovery sites for the endangered Aleutian shield fern, *Journal of Fish and Wildlife Management*. 3(2): 303-310. https://doi.org/10.3996/032012-JFWM-023.

9) Tian^*, N., P. Goovaerts, F. B. Zhan, **T. E. Chow**, and J. G. Wilson, 2012. Identifying risk factors for disparities in breast cancer mortality among African American and Hispanic women, *Women's Health Issues*. 22(3): 267-276. https://doi.org/10.1016/j.whi.2011.11.007.

8) **Chow*, T. E.**, Y. Lin^, N.T. Huynh, and J. Davis, 2012. Using Web Demographics to Model Population Change of Vietnamese-Americans in Texas between 2000-2009, *GeoJournal*.77(1): 119-134. https://doi.org/10.1007/s10708-010-9390-6.

7) Wan^*, N., F. B. Zhan, B. Zou and **T. E. Chow**, 2011. A relative spatial access assessment approach for analyzing potential spatial access to colorectal cancer services in Texas, *Applied Geography*. 32(2): 291-299. https://doi.org/10.1016/j.apgeog.2011.05.001.

6) **Chow*, T. E.**, Y. Lin^, and W. D. Chan. 2011, The Development of a Web-based Demographic Data Extraction Tool for Population Monitoring, *Transactions in GIS.* 15(4): 479-494. https://doi.org/10.1111/j.1467-9671.2011.01274.x.

5) Slade, R. M. Jr., and **Chow, T. E.**, 2011, Statistical relations of precipitation and stream runoff for El Niño and La Niña periods, Texas Hill Country, *Texas Water Journal.* 2(1): 1-22.

4) **Chow*, T. E.**, and Sadler^, R., 2010. The consensus of local stakeholders and outside experts in suitability modeling for future camp development, *Landscape and Urban Planning*, 94:9-19. https://doi.org/10.1016/j.landurbplan.2009.07.013.

3) **Chow*, T. E.**, and Hodgson, M.E., 2009. Effects of Lidar post-spacing and DEM resolution to mean slope estimation, *International Journal of Geographic Information Science*. 23(10):1277-1295. https://doi.org/10.1080/13658810802344127.

2) **Chow*, T. E.**, 2008. The potential of Maps APIs for Internet GIS, *Transactions in GIS*. 12(2): 179-191. https://doi.org/10.1111/j.1467-9671.2008.01094.x.

1) **Chow*, T. E.**, K.F. Gaines, M.E. Hodgson, and M.A. Wilson, 2005. Habitat and Exposure Modeling of Raccoon for Ecological Risk Assessment: A Case Study in Savannah River Site, *Ecological Modelling*. 189: 151-167. https://doi.org/10.1016/j.ecolmodel.2005.04.001.

b. Non-refereed Articles: [* *Since tenured*]

17） **Chow*, T. E.**, 2021. The grassroot movement of "Digital Dunkirk" in Afghanistan (Chinese title: 阿富汗的「Digital Dunkirk」民間行動), *The StandNews*. August 31, 2021. Web access: https://thestandnews.com/international/digital-dunkirk-的民間行動, published in Chinese.

16） **Chow*, T. E.**, 2021. The Map of 12357 (Chinese title: 一二三五七地圖), *The StandNews*. June 14, 2021. Web access: https://thestandnews.com/china/一二三五七地圖, published in Chinese.

15） **Chow*, T. E.**, 2020. Simulating the 2019 July 1st Rally in Hong Kong by GeoComputation (Chinese title: 以地理計算模擬 2019 年的七一遊行), *The StandNews*. August 22, 2019. Web access: https://thestandnews.com/politics/以地理計算模擬 2019 年的七一遊行, published in Chinese.

14） **Chow*, T. E.**, 2020. The Count under Pressured: The Crowd Size of the 31st Anniversary of June 4th Candlelight Vigil (Chinese title: 六四 31 周年集會人數：打壓下的數字), *The StandNews*. August 22, 2019. Web access: https://thestandnews.com/politics/六四-31-周年集會人數-打壓下的數字, published in Chinese.

13） **Chow*, T. E.**, 2020. Hong Kong in Partial Shut-down (Chinese title: 局部封關後的香港), *The StandNews*. March 21, 2020. Web access: https://thestandnews.com/society/局部封關後的香港, published in Chinese.

12） **Chow*, T. E.**, 2020. The Revelation from Confirmed Cases and In-Migration (Chinese title: 確診個案和入境數字的啟示), *The StandNews*. February 11, 2020. Web access: https://thestandnews.com/society/確診個案和入境數字的啟示, published in Chinese.

11） **Chow*, T. E.**, 2020. Where did the Wuhanians Go during the Outbreak of COVID-19? (Chinese title: 疫症爆發期間，武漢人到那裡去？), *The StandNews*. February 5, 2020. Web access: https://thestandnews.com/society/疫症爆發期間-武漢人到那裡去, published in Chinese.

10） **Chow*, T. E.**, 2019. Hong Kong is now a big social experiment (Chinese title: 如今的香港仿如一個龐大的社會實驗), *The StandNews*. July 29, 2019. Web access:

https://thestandnews.com/politics/如今的香港仿如一個龐大的社會實驗, published in Chinese.

9）**Chow*, T. E.**, 2019. The revelation and reflection of June 9th Rally Attendance (Chinese title: 6.9 遊行人數的啟示和反思), *The StandNews*. June 13, 2019. Web access: https://thestandnews.com/politics/遊行人數的啟示和反思, published in Chinese.

8）**Chow*, T. E.**, 2019. The attendance of 30th anniversary June 4th Candlelight Vigil – the forbidden numbers (Chinese title: 六四 30 周年集會人數 – 禁忌的數字), *The StandNews*. June 5, 2019. Web access: https://thestandnews.com/politics/六四-30-周年集會人數-禁忌的數字/, published in Chinese.

7）**Chow*, T. E.**, 2019. How to count people in a rally protest? (Chinese title: 遊行人數點算好?), *The StandNews*. May 8, 2019. Web access: https://thestandnews.com/society/遊行人數點算好/, published in Chinese.

6）**Chow*, T. E.**, 2018. The accelerating polarization of head count in June 4th Candle Vigil (Chinese title: 六四集會人數統計兩極化加劇), *The StandNews*. June 11, 2018. Web access: https://thestandnews.com/society/六四集會人數統計兩極化加劇/, published in Chinese.

5) **Chow*, T. E.**, 2017. The mystery of July 1st Rally attendance (Chinese title: 七一遊行人數之謎), *The StandNews*. July 26, 2017. Web access: https://thestandnews.com/politics/七一遊行人數之謎/, published in Chinese.

4) **Chow*, T. E.**, 2017. Why should I go there and I count? (Chinese title: 點解要自己遊行自己數?), *The StandNews*. July 1, 2017. Web access: https://www.thestandnews.com/politics/點解要自己遊行自己數/, published in Chinese.

3) **Chow*, T. E.**, 2017. I go there I count (Chinese title: 自己遊行自己數), *The StandNews*. June 25, 2017. Web access: https://www.thestandnews.com/society/自己遊行自己數, published in Chinese.

2) **Chow*, T. E.**, 2017. Population estimation of June 4th Candle Vigil and alternative facts (Chinese title: 六四集會人數統計與另類事實), *Ming Pao Press*. June 17, 2017. Web access: https://m.mingpao.com/pns/dailynews/web_tc/article/20170617/s00012/1497635598032, published in Chinese.

1) **Chow*, T. E.**, 2016. Population estimation of June 4th Candle Vigil and reflection (Chinese title: 六四燭光晚會出席人數統計及反思), *Ming Pao Press*. June 13, 2016. Web access: http://news.mingpao.com/ins/instantnews/web_tc/article/20160614/s00022/1465864915847, published in Chinese.

3. Conference Proceedings

a. Refereed Conference Proceedings: [corresponding author*; student author ^]

8) *Kar, B., **T. E. Chow**, N. Dede-Bamfo and X. Liu, 2019, Using social media to geo-target emergency management efforts, *EM-GIS 2019: 5th ACM SIGSPATIAL Workshop on the Use of GIS in Emergency Management*, November 5, Chicago, IL.

7) ***Chow, T. E.,** 2019. Estimating the crowd size of a rally by crowdsourcing-geocomputation. In *Abstracts of the International Cartographic Association*, 1, 46, https://doi.org/10.5194/ica-abs-1-46-2019.

6) ***Chow, T. E.,** 2018. When GeoAI meets the crowd. In *GeoAI'18: 2nd ACM SIGSPATIAL Workshop on AI for Geographic Knowledge Discovery*, November 6, Seattle, WA, pp. 52-53. doi:10.1145/3281548.3281551

5) *Schuermann^, R. T., and **Chow, T. E.,** 2014. Geovisualization of local and regional migration using web demographics, *International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences*. XL-2: 93-97.

4) *Clennon^, E., R. D. Blanchard and **T. E. Chow,** 2013, Business clustering in knowledge-based industries in the Austin-Round Rock, Texas, metropolitan statistical area, *Papers in Applied Geography*. 36: 367-376.

3) **Chow, T. E.**, Anne H. H. Ngu, Yan Lin^, Clark Phillips^, and Stan Thornhill^, 2012. Record linkage of web demographics as a GeoComputation challenge, Invited position paper in GIScience 2012 Workshop on Role of Volunteered Geographic Information: Quality and Credibility. Columbus, OH: http://www.ornl.gov/sci/gist/workshops/2012/documents/Chow,%20Tze%20Kiu%20-%20Paper.pdf

2) **Chow, T. E.**, 2011. VGI-enabled 4D GIS, Invited position papers for *Specialist Meeting in Future Direction of Spatial Demography*. (Acceptance rate: 24/78 = 30.7%) http://ncgia.ucsb.edu/projects/spatial-demography/docs/Chow-position.pdf

1) **Chow, T. E.**, 2010. An Assessment of Hydrologic Enforcement Methods on Various Drainage Features, *Proceedings of the Sixth International Conference of Geographic Information Science*. http://www.giscience2010.org/pdfs/paper_177.pdf

b. Non-refereed:

4. Abstracts:

5. Reports:

1) **Chow, T.E.**, 2001. "User Manual of Curve Number Script in Hydrologic Modeling", Stormwater Services in the Department of Public Works, Richland County, South Carolina.

6. Book Reviews:

7. Other (student achievement):

Advisor, Hickman, D. T., 2010. Assessing urban walkability: a suitability model rating ease of travel with limited reliance upon personal automobile travel in Austin, Texas, 2nd Place Winner, *Applied Geography Conference 2010.* http://applied.geog.kent.edu/Winners2010.htm

Advisor, Sadler, R., 2007. Using suitability analysis to evaluate suitable conservation areas and future development at Camp Tapico, Meeting of Minds Undergraduate Research Conference XV - *Journal of Undergraduate Research*. 9: 286-292.

B. Works not in Print

1. Papers Presented at Professional Meetings:
[Note: * indicates a student author]

58) **Chow**, **T. E.**, M. T., Tanzir, F. B. Ibrahim, R. Schuermann, 2025. Leveraging Geographic Contextual Relationships for Image Matching in a GeoAI, *Annual Conference of Association of American Geographers*, March 24-28, Detroit, MI, USA.

57) Stengel, V. G., **T. E. Chow**, Hubbard, B., 2024. Exploring spatiotemporal wildfire burn scar recovery to identify areas within a watershed that are potentially vulnerable to flooding and erosion, *American Geophysical Union*, December 9-13, Washington, D.C., USA.

56) Tanzir, M. T., F. B. Ibrahim, **T. E. Chow**, 2024. Image Matching Using GeoAI for Flood Monitoring, *Annual Conference of Association of American Geographers*, April 16-20, Honolulu, Hawaii, USA.

55) **Chow, T. E.**, and Yang, T. H., 2024. Comparison of Multi-source Data for Floodscape Mapping, *Annual Conference of Association of American Geographers*, April 16-20, Honolulu, Hawaii, USA.

54) Stengel, V. G., **T. E. Chow**, Hubbard, B., 2023. Exploring simulated and observed hydrologic rainfall-runoff response and vegetation recovery in the aftermath of the 2011 Bastrop Complex Wildfire, TX, *American Geophysical Union*, December 11-15, San Francisco, CA, USA.

53) **Chow, T. E.**, and Leung, K. C., 2023. Hong Kong Islands in the United States: The Census 2020 and Digital Landscapes, *International Geographical Union (IGU)*

Thematic Conference on: Islands in Relations: Conflicts, Sustainability, and Peace, April 3-7, Osaka, Japan.

52) **Chow, T. E.**, and Yang, T. H., 2023. Fusing Social Media Posts into Daily Floodplain Delineation of Hurricane Harvey, *Annual Conference of Association of American Geographers*, March 23-27, Denver, Colorado, USA.

51) **Chow, T. E.**, T. H. Yang and E. Fotey, 2022. Geospatial story-mining of 1956 Algeria Strike, *Annual Conference of Association of American Geographers*, Feb 25 – March 1, Virtual.

50) **Chow, T. E.**, 2021. What is where when it matters: A geocomputational approach, *Texas GIS 2022*, November 14-20, Virtual.

49) **Chow, T. E.**, T. H. Yang and E. Fotey, 2021. Extraction of water depth from social media posts in Hurricane Harvey, *Annual Conference of Association of American Geographers*, April 7-11, Virtual.

48) **Chow, T. E.,** 2019. Estimating the crowd size of a rally by crowdsourcing-geocomputation. In *International Cartographic Conference*, July 15-20, Tokyo, Japan.

47) **Chow, T. E.**, 2019. A Panelist in "Social Sensing and Big Data Computing for Disaster Management", *Annual Conference of Association of American Geographers*, April 3-7, Washington, D.C.

46) Yuan, Y., Y. Lu, Y. Liu and **T.E. Chow**, 2019. The missing parts from social media enabled smart city: Who, where, when, and what, *Annual Conference of Association of American Geographers*, April 3-7, Washington, D.C.

45) **Chow, T. E.**, and Alyaqout*, A., 2019. Exploring the locational accuracy of social media during Hurricane Harvey, *Annual Conference of Association of American Geographers*, April 3-7, Washington, D.C.

44) **Chow, T. E.**, 2018. When GeoAI meets the crowd, *GeoAI'18: 2nd ACM SIGSPATIAL Workshop on AI for Geographic Knowledge Discovery*, November 6, Seattle, WA.

43) **Chow, T. E.**, 2018. Simulate Crowd Movement and Behaviors in a Rally, *International Conference of Geoinformatics*, June 28-30, Kunming, Yunnan, China.

42) **Chow, T. E.**, 2018. A crowdsourcing-geocomputational framework of mobile crowd simulation, *University Consortium of Geographic Information Science Symposium*, May 22-24, Madison, WI.

41) **T. E. Chow**, 2018. Small Area Population Modeling, *Annual Conference of Association of American Geographers*, April 10-14, New Orleans, LA.

40) Kar, B., **T. E. Chow**, and X. Liu, 2018. Analyzing tweets to understand spatio-temporal variability of situation awareness information, *Annual Conference of Association of American Geographers*, April 10-14, New Orleans, LA.

39) **Chow, T. E.**, 2017. Discovery of Small Area Population through Web Demographics, *Population Association of Japan*, June 11-12, Sendai, Japan.

38) **Chow, T. E.**, 2017. A Crowdsourcing Approach to Estimate a Mobile Population, *Annual Conference of Association of American Geographers*, April 6-10, Boston, MA.

37) **Chow, T. E.**, M. Ng, C. Chan, and D.W.S. Wong, 2016. Linking Past to Present: Reconstructing the Historical Geographies of Colonial Hong Kong, *Population Association of Japan*, June 11-12, Kashiwa, Japan.

36) **Chow, T. E.**, 2015. Evaluation of Tobler's and Zipf's Laws in Web Demographics Analytics, *International Conference of Geoinformatics*, June 18-20, Wuhan, China.

35) **Chow, T. E.**, R. T. Schuermann, A. H. H. Ngu and C. Phillips, 2015. Relevance of Tobler's and Zipf's Laws to Web Demographics? *Annual Conference of Association of American Geographers*, April 21-26, Chicago, IL.

34) N. Dede-Bamfo, and **Chow, T. E.**, 2015. Exploring Post-Disaster Tweets for Vulnerability Assessment, *Annual Meeting of Association of American Geographers*, April 21-26, Chicago, IL.

33) R. T. Schuermann, and **Chow, T. E.**, 2014. Geovisualization of local and regional migration using web-mined demographics, *ISPRS TCII/IGU Joint International Conference on Geospatial Theory, Processing, Modeling and Applications*, October 5-8, Toronto, ON.

32) **Chow, T. E.**, and Schuermann, R. T., 2014. Spatio-temporal characteristics of web demographics for record linkage, *University Consortium of Geographic Information Science 2014 Symposium*, May 19-21, Pasadena, CA.

31) Gong, X., **T. E. Chow**, and F. B. Zhan, 2014. The Importance of "Space" in Strategies of Team Sports: An Agent-based Modeling Approach, *Annual Meeting of Association of American Geographers*, April 8-12, Tampa, FL.

30) **Chow, T. E.**, and Schuermann, R. T., 2014. Spatiotemporal mining of migration patterns from web demographics, *Annual Meeting of Association of American Geographers*, April 8-12, Tampa, FL.

29) **Chow, T. E.**, N. Dede-Bamfo and K. Dahal, 2013. Quality Assessment of Internet/Desktop Geocoding Services, 8th International Symposium on Spatial Data Quality, May 30 - June 1, Hong Kong SAR, China.

28) **Chow, T. E.**, and Dahal, K., 2013. Web, the People, *Annual Meeting of Association of American Geographers*, April 9-13, Los Angeles, CA.

27) **Chow, T. E.**, J. Jensen, K. Ridenour, K. Crosthwaite, S. Rissel, L. Temple, 2012. Fuel Model Characterization of Central Texas Ecosystem for Wildfire Modeling, *Annual Meeting of Association of American Geographers*, February 24, New York, NY.

26) **Chow, T. E.**, 2011. Modeling Fire Growth Simulation in Grassland Ecosystem, *International Conference of Geoinformatics*, June 23-26, Shanghai, China.

25) **Chow, T. E.**, Dede-Bamfo*, N., and Dahal*, K. R., 2011. Characteristics of Geographic Bias in Address Matching, *Annual Meeting of Association of American Geographers*, April 12-17, Seattle, WA.

24) **Chow, T. E.**, 2011. Progress Update and Research Agenda of Census 2.0, AAG 2011 *Volunteered Geographic Information Pre-conference*, April 11, 2011, Seattle, WA

23) **Chow, T. E.**, 2010. An Assessment of Hydrologic Enforcement Methods on Various Drainage Features, *Sixth International Conference of Geographic Information Science*, September 14-17, Zurich, Switzerland.

22) **Chow, T. E.**, N. Heger*, X. Meng*, J. Jensen and K. Ridenour, 2010. "Sensitivity of Fire Growth Simulation to Lidar-derived Elevation and Fuel Maps", *International Conference of Geoinformatics*, June 18-20, Beijing, China.

21) **Chow, T. E.**, 2010. "Census 2.0", *Annual Meeting of Association of American Geographers*, April 14-19, Washington D.C.

20) **Chow, T. E.**, 2010. "How Does Hydrologic Enforcement Affect Lidar-derived DEM?", *International Lidar Mapping Forum*, March 3-5, Denver, CO.

19) **Chow, T. E.**, and Sadler*, R., 2009. "Uncertainty of Expert Knowledge in Suitability Modeling", *Annual Meeting of Association of American Geographers*, March 22-27, Las Vegas, NV.

18) **Chow, T. E.**, and Wolverton*, M., 2009. "Assessment of Hydrologic Enforcement in Lidar-derived DEM", *Annual Meeting of American Society for Photogrammetry & Remote Sensing*, March 9-13, Baltimore, MD.

17) **Chow, T. E.**, and Sadler*, R., 2008. "Integration of Expert Knowledge in GIS-based Land Use Suitability Analysis", *Annual Meeting of International Conference of Geographic Information Systems*, July 2-5, Istanbul, Turkey.

16) **Chow, T. E.**, and Sadler*, R., 2008. "Positional Error Assessment in Spatial Database", *Annual Meeting of American Society for Photogrammetry & Remote Sensing*, April 29-May 2, Portland, OR.

15) **Chow, T. E.**, 2008. "Linking GIS to Stormwater Modeling", *Annual Meeting of Association of American Geographers*, April 15-19, Boston, MA.

14) **Chow, T. E.**, 2007. "Maps APIs for Internet GIS Applications", *Annual Meeting of Association of American Geographers*, April 17-22, San Francisco, CA.

13) **Chow, T. E.**, and Kuptz*, R.A., 2006. "Accuracy Assessment of Contour-derived Elevation and Terrain Slope", *Fall Specialty Meeting of American Society for Photogrammetry & Remote Sensing*, November 6-10, San Antonio, TX.

12) **Chow, T. E.**, 2006. "Scale Dependence of Rainfall-Runoff Model", *Annual Meeting of Association of American Geographers*, March 7-11, Chicago, IL.

11) **Chow, T. E.**, 2005. "A Geospatial Tools for Stormwater Modeling and Management", *Annual Meeting of AWRA*, November 7-10, Seattle, WA.

10) Gaines, K.F., **Chow, T. E.**, M.A. Wilson, and M. E. Hodgson, 2005. "A spatially explicit exposure model to estimate contaminant exposure in wildlife", *The Wildlife Society Twelfth Annual Conference*, Sept. 25-29, Madison, WI.

9) **Chow, T. E.**, 2005. "The Effect of Scale in Modeling Hydrologic Response", *Young Scholar Summit of International Association of Chinese Professional of Geographic Information System*, June 24- July 4, Nanchang and Wuhan, China.

8) **Chow, T. E.**, and Hodgson, M.E., 2005. "A Sensitivity Analysis of Post-spacing and Lidar-Derived DEM on Various Stormwater Modeling Approaches", *Annual Meeting of American Society for Photogrammetry & Remote Sensing*, March 7-11, Baltimore, MA.

7) **Chow, T. E.**, K.F. Gaines, M.E. Hodgson, and M.D. Wilson, 2004. "Habitat and Exposure Modeling for Ecological Risk Assessment", *Annual Meeting of American Society for Photogrammetry & Remote Sensing*, May 23-28, Denver, CO.

6) **Chow, T. E.**, and M.E. Hodgson, 2004. "Scale Effect on Mean Slope Estimation with Airborne Laser Scanning", *Annual Meeting of Association of American Geographers*, March 14-19, Philadelphia, PA.

5) **Chow, T. E.**, and M.E. Hodgson, 2003. "Effects of Lidar Post-spacing and DEM Cell Size on Slope Estimation for Hydrologic Modeling", *Poster Presentation at Annual Meeting of American Society for Photogrammetry & Remote Sensing*, May 5-8, Anchorage, AK.

4) **Chow, T. E.**, C.M. Archor, M.E. Hodgson, and P. Bresnahan, 2002. "Stormwater Modeling in Richland County, South Carolina", *Environmental System Research Institute (ESRI) International Users Conference*, July 8-12, San Diego, CA.

3) **Chow, T. E.**, M.E. Hodgson, C.M. Archor, and P. Bresnahan, 2002. "A Sensitivity Analysis of Modeled Peak Flow from Varying DEM Spatial Resolutions", *Annual Meeting of American Society for Photogrammetry & Remote Sensing*, April 19-26, Washington D.C.

2) **Chow, T. E.**, M.E. Hodgson, C.M. Archor, and P. Bresnahan, 2002. "A Web-Based Geographic Information System Application for Hydrology", *Annual Meeting of Association of American Geographers*, March 19-23, Los Angeles, CA.

1) **Chow, T. E.**, 2001. "Cholera Modeling in Peru 1991", Poster Presentation at the Summer Assembly of University Consortium of Geographic Information Science, June 20-24, Buffalo, NY.

2. Invited Talks, Lectures, and Presentations:

25) **Chow, T. E.**, 2020. "Big data analytics in geography: Crowd dynamics in protest and beyond", Department of Geography and Resource Management, Chinese University of Hong Kong, January 9.

24) **Chow, T. E.**, 2018. "Network & 3D Analysis", Urban GIS (CRP 386), School of Architecture, University of Texas at Austin, November 12.

23) **Chow, T. E.**, 2018. "Data Queries", GIS in Planning (CRP 386), School of Architecture, University of Texas at Austin, June 20.

22) **Chow, T. E.**, 2017. "How many people were there? Case studies of June 4th and July 1st Demonstrations in Hong Kong", Centre for Comparative and Public Law, University of Hong Kong, June 8.

21) **Chow, T. E.**, 2016. "Estimating People on the Move? HK Protest & Beyond", Department of Social Work and Social Administration, Centre for Suicide Research and Prevention, University of Hong Kong, May 23.

20) **Chow, T. E.**, 2016. "Challenges and Opportunities of Population Research in Big Data Era", Centre for Comparative and Public Law, University of Hong Kong, May 19.

19) **Chow, T. E.**, 2013. "Web-enabled Geography?", Department of Geography, Texas A&M University, November 1.

18) **Chow, T. E.**, 2010. "Applications and Uncertainties of Lidar-derived Digital Elevation Model", Institute of Space and Earth Information Science, Chinese University of Hong Kong, July 5.

17) **Chow, T. E.**, 2010. "What Does the Web have to Do with Counting?", Summer Summit, Statistical Research Division – U.S. Census Bureau, Washington, D.C., May 27.

16) **Chow, T. E.**, 2009. "What Does Geography 2.0 Mean to Geographers?", GIScience Brown Bag Talk in Department of Geography, Texas State University, October 23.

15) **Chow, T. E.**, 2008. "Unknown Unknowns in Geographic Information Science", Department of Geography, Texas State University, December 5.

14) **Chow, T. E.**, 2008. University of Michigan – Flint, Department of Public Administration, Flint, MI.

13) **Chow, T. E.**, 2008. "Global Positioning System", Grand Blanc Community Schools, 3rd and 4th graders, Fenton, MI.

12) **Chow, T. E.**, 2007. University of Michigan – Flint, Department of Public Administration, Flint, MI.

11) **Chow, T. E.**, 2006. University of Michigan – Flint, Department of Public Administration, Flint, MI.

10) **Chow, T. E.**, 2005. Nanchang Normal University, Young Scholar Summit of the International Association of Chinese Professional of Geographic Information System, Nanchang, China.

9) **Chow, T. E.**, 2005. University of Michigan – Flint, Department of Earth and Resource Science, Flint, MI.

8) **Chow, T. E.**, 2005. Central Michigan University, Department of Geography, Mount Pleasant, MI.

7) **Chow, T. E.**, 2005. University of Texas - Dallas, Department of Geology, Dallas, TX.

6) **Chow, T. E.**, 2004. University of South Carolina, Department of Civil Engineering, Columbia, SC.

5) **Chow, T. E.**, 2004. University of Southern Mississippi, Department of Geography, Hatiesburg, MS.

4) **Chow, T. E.**, 2004. Mississippi State University, Department of Geoscience, Hatiesburg, MS.

3) **Chow, T. E.**, 2004. University of Denver, Department of Geography, Denver, CO.

1) J.R. Jensen, J.A. Tullis, B.C. Hadley, **Chow, T. E.**, 2004. NASA, Earth Science Enterprise (ESE), Stennis Space Center, MS.

1) **Chow, T. E.**, 2003. University of South Carolina, Department of Mathematics, Columbia, SC.

3. Synergistic Activities:

Ng, M. H., **T. E. Chow**, D.W.S. Wong and C. Chan, 2021. Hong Kong Historical GIS (1900-1933). The University of Hong Kong Library. https://hkh-gis.lib.hku.hk. (funded by Research Grant Council of HK Government, project #: HKU 17407214).

Chow, T. E., 2021. An agent-based model to simulate crowd movement, Code. https://github.com/chowte/hkrallies.

Chow, T. E., and Savelyev, A., 2017. Twitter Heat Map of Hurricane Harvey, Interactive mapping. https://harveymap.000webhostapp.com/index-leaflet.html.

Chow, T. E., 2006. Genesee Land Map, Interactive mapping. http://www.geneseelandnetwork.org/sprawl/map/

4. Workshops:

5. Other (Media Coverage):

17) New York Times, July 3 2020, Black Lives Matter May Be the Largest Movement in U.S. History, https://www.nytimes.com/interactive/2020/07/03/us/george-floyd-protests-crowd-size.html

16) New York Times, July 3 2019, How A.I. Helped Improve Crowd Counting in Hong Kong Protests, https://www.nytimes.com/interactive/2019/07/03/world/asia/hong-kong-protest-crowd-ai.html

15) MingPao News, July 2 2019, 人眼加AI點算 七一遊行錄26.5萬人 約民陣數字一半 多警方數字四成 (translated title: The manual and AI approach counted the July 1st Rally with 265k, about half of the organizer and more than 40% than the police figure), http://www.mingpaocanada.com/TOR/htm/News/20190702/hk-gae1_r.htm

14) MingPao News, July 2 2019, 急設駱克道點算位 AI計少半小時 (translated title: Adding a new monitoring station at Lockhart Rd: AI counted 30 minutes after a new location), https://news.mingpao.com/pns/%E8%A6%81%E8%81%9E/article/20190702/s00001/1562006760861/%E6%80%A5%E8%A8%AD%E9%A7%B1%E5%85%8B%E9%81%93%E9%BB%9E%E7%AE%97%E4%BD%8D-ai%E8%A8%88%E5%B0%91%E5%8D%8A%E5%B0%8F%E6%99%82

13) SingTao News, July 2 2019, 七一遊行 學者估算26.5萬人 (translated title: July 1st Rally count: Scholars estimated 265k), https://www.singtaousa.com/home/13-%E9%A6%99%E6%B8%AF/2404402-%E4%B8%83%E4%B8%80%E9%81%8A%E8%A1%8C%E2%80%82%E5%AD%B8%E8%80%85%E4%BC%B0%E7%AE%9726.5%E8%90%AC%E4%BA%BA/?fromG=1

12) Super Media HK, July 2 2019, 港大AI團隊公布初步人數：26.5萬 (translated title: HKU and AI Team released preliminary July 1st Rally count: 265k), http://www.supermedia.hk/34393/%E6%B8%AF%E5%A4%A7ai%E5%9C%98%E9%9A%8A%E5%85%AC%E5%B8%83%E5%88%9D%E6%AD%A5%E4%BA%BA%E6%95%B8%EF%BC%9A26-5%E8%90%AC/

11) MingPao News, July 1 2019, 港大AI團隊公布初步人數：26.5萬 (translated title: Preliminary count by the HKU and AI Team: 265,000), https://news.mingpao.com/ins/%E6%B8%AF%E8%81%9E/article/20190701/s00001/1561978210430/%E3%80%90%E4%B8%83%E4%B8%80%E9%81%8A%E8%A1%8C%E3%80%91%E6%B8%AF%E5%A4%A7ai%E5%9C%98%E9%9A%8A%E5%85%AC

%E5%B8%83%E5%88%9D%E6%AD%A5%E4%BA%BA%E6%95%B8-26-5%E8%90%AC

10) HK01 News, July 1 2019, 學者邀市民「自己遊行自己數」　以AI技術計算人次 (translated title: Scholars launched a citizen-science project "I Go There I Count" with AI technology to count rally), https://www.hk01.com/18%E5%8D%80%E6%96%B0%E8%81%9E/346856/%E4%B8%83%E4%B8%80%E9%81%8A%E8%A1%8C-%E5%AD%B8%E8%80%85%E9%82%80%E5%B8%82%E6%B0%91-%E8%87%AA%E5%B7%B1%E9%81%8A%E8%A1%8C%E8%87%AA%E5%B7%B1%E6%95%B8-%E4%BB%A5ai%E6%8A%80%E8%A1%93%E8%A8%88%E7%AE%97%E4%BA%BA%E6%AC%A1

9) STHeadline News, July 1 2019, 港美學者統計遊行人數26.5萬 雷鼎鳴估算21.5萬人 (translated title: Scholars from HK and US estimated 265k; Lui estimated 215k), https://hd.stheadline.com/news/realtime/hk/1534828/%E5%8D%B3%E6%99%82-%E6%B8%AF%E8%81%9E-%E4%B8%83%E4%B8%80%E5%9B%9E%E6%AD%B8-%E6%B8%AF%E7%BE%8E%E5%AD%B8%E8%80%85%E7%B5%B1%E8%A8%88%E9%81%8A%E8%A1%8C%E4%BA%BA%E6%95%B826-5%E8%90%AC-%E9%9B%B7%E9%BC%8E%E9%B3%B4%E4%BC%B0%E7%AE%9721-5%E8%90%AC%E4%BA%BA

8) HKET, July 1 2019, 民陣公布七一遊行55萬人　警方指高峰期人數19萬 (translated title: Organizers announced an attendance of 550k for July 1st Rally; the Police estimated a peak of 190k), https://topick.hket.com/article/2388911/%E3%80%90%E5%8F%8D%E9%80%81%E4%B8%AD%E3%80%91%E6%B0%91%E9%99%A3%E5%85%AC%E5%B8%83%E4%B8%83%E4%B8%80%E9%81%8A%E8%A1%8C55%E8%90%AC%E4%BA%BA%E3%80%80%E8%AD%A6%E6%96%B9%E6%8C%87%E9%AB%98%E5%B3%B0%E6%9C%9F%E4%BA%BA%E6%95%B819%E8%90%AC

7) Apple Daily News, July 1 2019, 學者、AI公司合作計遊行人數 (translated title: Scholars and AI company collaborated to count rally, https://hk.news.appledaily.com/local/daily/article/20190701/20717581

6) Bastille Post, July 1 2019, 雷鼎鳴估算21.5萬人參與七一遊行 港美學者指有26.5萬 (translated title: Lui estimated 215k attending the July 1st Rally; Scholars from HK and US estimated 265k, https://www.bastillepost.com/hongkong/article/4646717-%E3%80%90%E4%B8%83%E4%B8%80%E5%9B%9E%E6%AD%B8%E3%80%91%E6%B8%AF%E7%BE%8E%E5%AD%B8%E8%80%85%E7%B5%B1%E8%A8%88%E9%81%8A%E8%A1%8C%E4%BA%BA%E6%95%B826-5%E8%90%AC-%E9%9B%B7%E9%BC%8E%E9%B3%B4%E4%BC%B0?variant=zh-tw?fromG=1

5) i-Cable News, June 30 2019, 港大及美學者合作算七一遊行人數(translated title: Scholars from Hong Kong University and U.S. collaborated to count July 1st Rally), http://cablenews.i-

cable.com/ci/videopage/news/551647/%E5%8D%B3%E6%99%82%E6%96%B0%E8%81%9E/%E6%B8%AF%E5%A4%A7%E5%8F%8A%E7%BE%8E%E5%AD%B8%E8%80%85%E5%90%88%E4%BD%9C%E7%AE%97%E4%B8%83%E4%B8%80%E9%81%8A%E8%A1%8C%E4%BA%BA%E6%95%B8

4) MingPao News, June 30 2019, 特稿：港大得州大學學者 與科技公司合作 人眼AI相輔七一遊行科學點人數 (translated title: Scholars from Hong Kong University and Texas State University collaborated with a tech company to conduct July 1st Rally scientifically with manual and AI approaches), http://www.mingpaocanada.com/Tor/htm/News/20190630/HK-gbc1_r.htm

3) HK01 News, June 30 2019, 港大學者與科技公司合作　AI技術助點算遊行人數(translated title: Scholars collaborated with a tech company to count rally with AI), https://www.hk01.com/%E7%A4%BE%E6%9C%83%E6%96%B0%E8%81%9E/346518/71%E9%81%8A%E8%A1%8C-%E6%B8%AF%E5%A4%A7%E5%AD%B8%E8%80%85%E8%88%87%E7%A7%91%E6%8A%80%E5%85%AC%E5%8F%B8%E5%90%88%E4%BD%9C-ai%E6%8A%80%E8%A1%93%E5%8A%A9%E9%BB%9E%E7%AE%97%E9%81%8A%E8%A1%8C%E4%BA%BA%E6%95%B8

2) Apple Daily News, June 30 2019, 以人工智能實地計算 學者新方法統計遊行人數增可信性 (translated title: Use AI to count rally in the field – a scholastic new approach to count rally more reliably), 以人工智能實地計算 學者新方法統計遊行人數增可信性, https://hk.news.appledaily.com/local/realtime/article/20190630/59774228

1) Boxun News, June 30 2019, 港大将与AI公司合作清点游行人数 (translated title: Scholars collaborated with an AI company to count rally), https://news.boxun.com/news/gb/finance/2019/06/201906302023.shtml

6. Works in Preparation:
[Note: ^ indicates a student author]

Pasley, N. K., **T. E. Chow***, B. Schwarz, and N. Currit, In review, Impacts of urban growth upon aquifer recharge. A case study of Edwards Aquifer in Central Texas, Submitted to *Urban Water Journal*.

Alyaqout*, A., **T. E. Chow**, and A. Savelyev, In review, Assessing the quality of Volunteered Geographic Information (VGI) for flood monitoring. A case study of Hurricane Harvey in Harris County, Texas, Submitted to *Natural Hazards*.

Yang^, M., Y. Lin, **T. E. Chow**, M. P. Pignone, F. B. Zhan, In preparation, Spatial accessibility to primary care in Texas and its association with 13 health outcomes, to be submitted to *Preventive Chronic Diseases*.

C. Grants and Contracts

1. Funded External Grants and Contracts:
[Note: Chow was the sole Principal Investigator (PI) unless otherwise noted]

2015-2017 – "GRF: Mapping Colonial Justice of Early 20th Century Hong Kong (1900-1941): A Historical GIS Study", Hong Kong Research Grants Council, Senior Personnel (P.I., Ng), $125,511, 01/01/2015 – 12/31/2017.

2014-2016 – "RAPID: Geospatial Resources, Materials and Tools for STEM Teacher Preparation", National Science Foundation (NSF), Senior Personnel (P.I., Solem), $200,000, 09/01/2014 – 03/31/2016 (Award No. BCS-1451203).

2010-2011 – "What Does the Web Has to Do with Census?", U.S. Bureau of the Census, $1,000.

2. Submitted, but not Funded, External Grants and Contracts:
[Note: Chow was the sole Principal Investigator (PI) unless otherwise noted]

2023 "Collaborative Research: Integrated and Personalized Flood Monitoring with Multisource Data", National Science Foundation (NSF), CMMI-HDBE, $985,330, 01/01/2023 – 12/31/2025.

2022 "Determining if concurrent inhalation exposure and traumatic brain injury cause increased deleterious impacts", Department of Defense (DoD), Congressionally Directed Medical Research Program (CDMRP), Defense Medical Research and Development CSI Restoral, Senior Personnel (P.I.: Dr. Jack Hutcheson), $850,000, 06/01/2023 – 5/31/2025.

2022 "In Situ modeling of burn pit exposures to inform inhalation toxicological assessment in multi- organoid and rat models", Department of Defense (DoD), Congressionally Directed Medical Research Program (CDMRP), Toxic Exposures Research Program (TERP), (Partnering P.I.: Dr. Jack Hutcheson) $574,345, 01/01/2024 – 12/31/2026.

2022 "Geographic modeling of chronic exposure to lignite coal plants for in vivo and in vitro inhalation toxicological assessment of US Service Members based in Kosovo", Department of Defense (DoD), Congressionally Directed Medical Research Program (CDMRP), Toxic Exposures Research Program (TERP), (Partnering P.I.: Dr. Jack Hutcheson) $753,351, 01/01/2024 – 12/31/2026.

2022 "Gaussian Dispersion Modeling of Battlefield Point-Source Exposures to Inform Inhalatory Toxicological Assessment in Multi-Organ on a Chip (MOC) Models", Department of Defense (DoD), Congressionally Directed Medical Research Program (CDMRP), Peer Reviewed Medical Research Program Discovery Award, Senior Personnel (P.I.: Dr. Jack Hutcheson), $199,270.

2021 "Geospatial Storytelling of 1956 Algeria Strike", National Endowment of Humanities (NEH), Faculty Award for HSI, PI, $21,250.

2021 "Improve Traffic Analysis and Mobility Modeling Using Information and Communication Technologies", Texas Department of Transportation (TxDOT), Research & Technology Implementation PS 22-256, Co-PI (PI: Yihong Yuan).

2021 "Define a Statewide Plan for a Sustainable Real-Time Travel Time Network for Texas Hurricane Evacuations and Safe Citizen Return", Texas Department of Transportation (TxDOT), Research & Technology Implementation PS 22-161, Co-PI (PI: Zhijie Dong).

2018 "Using a Web population survey to gain insights into the effect of the new citizenship question on the 2020 US Census", Russell Sage Foundation.

2018 "Spatial Data Science and Health Geographic Core for Cancer Research and Prevention", Cancer Prevention Research Institute of Texas (CPRIT), Co-PI (PI: Benjamin Zhan).

2018 "A Cost-effective Approach to Complementing Census Data", U.S. National Science Foundation (NSF).

2016 "The Efficacy of Location-Based Social Media for Modeling Human Mobility: Representativeness, Reliability, and Rhythms across Geographies", U.S. National Science Foundation (NSF).

2015 "The Efficacy of Location-Based Social Media for Modeling Human Mobility: Representativeness, Reliability, and Rhythms across Geographies", U.S. National Science Foundation (NSF).

2015 "NSF-BIGDATA: IA: Space-Time Integration of Big Data for Population-Infrastructure Informatics during Disaster", U.S. National Science Foundation (NSF).

2015 "Center of Excellence: Spatial Strategies for Environmental Health Disparity Reduction", U.S. National Institute of Health (NIH), Co-PI (PI: Benjamin Zhan).

2014 "NSF-SEES: A Space-Time Emergency Response System for Building Disaster Resilient Communities", U.S. National Science Foundation (NSF).

2014 "Suitability of Social Media During Emergency Response and Recovery", U.S. Department of Homeland Security (DHS).

2014 "(Near) Real-time Evaluation of Personal Air Pollution Exposure and Health Risk (REPAPER)", U.S. Environmental Protection Agency (EPA), Co-PI (PI: Yongmei Lu).

2014 "A Web Portal to Monitor Human Dynamics for Emergency Response", National Geospatial-Intelligence Agency (NGA).

2013 "Spatial Uncertainty of Differential Census Coverage for Health Studies", National Institutes of Health (NIH).

2013 "Collaborative Research: Service Network: Organizing, Indexing, and Recommending Web-scale Information Services", National Science Foundation (NSF).

2013 "Geospatial Resources, Materials and Tools for Improving STEM Teacher Preparation", National Science Foundation (NSF).

2012 "Census 2.0 – A cost-effective approach to complementing Census data", National Science Foundation (NSF) – Social, Behavioral & Economic Sciences: Geography and Spatial Science.

2012 "Doctoral Dissertation Research: An Agent-Based Irregular Automata Model of Urban Land Use Dynamics", National Science Foundation (NSF) – Social, Behavioral & Economic Sciences: Geography and Spatial Science Doctoral Dissertation Research Improvement Grant. (Co-PI: K. R. Dahal).

2012 "Accuracy Assessment of Web Demographics", Texas Census Research Data Center (TXCRDC): Proposal Development Grants – Cycle I.

2011 "Census 2.0 – A cost-effective approach to complementing Census data", National Science Foundation (NSF) – Social, Behavioral & Economic Sciences: Geography and Spatial Science.

2011 "Characterization of fuel parameters and ember transport mechanisms for grassland fire spread modeling", Joint Fire Science Program (JFSP).

2011 "Using clapper rails as an indicator species of estuarine marsh health: a model organism for high and low level organic chemical contamination", Gulf of Mexico Research Initiative.

2011 "A remote sensing SDSS for monitoring land-sea environment", Gulf of Mexico Research Initiative.

2011 "Census 2.0 – A Web-based Survey to Supplement U.S. Census", National Science Foundation (NSF) – Social, Behavioral & Economic Sciences: Geography and Spatial Science.

2010 "Census 2.0 – An Innovative Supplementary Survey to the Decennial Census", U.S. National Science Foundation (NSF) – Social, Behavioral & Economic Sciences: Geography and Spatial Science.

2008 "Acquisition of Hardware/Software for Research in Error Propagation?", U.S. National Science Foundation (NSF) – Earth Science: Instrumentation and Facilities.

3. Funded Internal Grants and Contracts:

[Note: Chow was the sole Principal Investigator (PI) unless otherwise noted]

2025 "Spatial Optimization of Flood-Responsive Traffic Management for Emergency Evacuation", ExpandAI Catalyst Award, TXST Center for Analytics and Data Science, $6,000. [PI: Tsz-Chiu Au]

2023 "Geo-localization of Crowdsourced Images Using GeoAI for Flood Monitoring", Research Enhancement Program, Texas State University, $8,000.

2019 "Get the Big Pictures: Flood Analytics Using Big Multimedia Data", Multidisciplinary Internal Research Grant (MIRG), Texas State University, $29,916.

2013 "Exploring the Post-Disaster Tweets for Damage Assessment", Research Enhancement Program, Texas State University, $8,000.

2008 "Putting UM-Flint onto the Map?", Research and Creative Activity Award: Phase II Funding, University of Michigan – Flint, $500.

2008 "Putting UM-Flint onto the Map?", Research and Creative Activity Award, University of Michigan – Flint, $8,895.

2008 Faculty International Travel Awards, University of Michigan – Flint, $2,000.

2007 "Towards Creating a Digital UM-Flint", Research and Creative Activity Award, University of Michigan – Flint. $12,245.

2006 "Accuracy Assessment of Contour-derived Elevation and Terrain Slope", Research and Creative Activity Award, University of Michigan – Flint, $18,533.

3. Student Internal/External Grants and Contracts:

Advisor, Dede-Bamfo, N., 2012-2013. Research travel grant, West African Research Centre (WARC), $3,000.

4. Submitted, but not Funded, Internal Grants and Contracts:

2017 "Communication Accessibility and Social Media Landscapes of Austin, Texas", Research Enhancement Program of Texas State University.

2016 "Communication Accessibility and Social Media Landscapes of Austin, Texas", Research Enhancement Program of Texas State University.

2010 "Accuracy and Sensitivity of Fire Growth Simulation in Central Texas", Research Enhancement Program of Texas State University.

2009 "Census 2.0 – a Supplementary Survey to Decennial Census" Research Enhancement Program of Texas State University.

5. Student Internal/External Grants and Contracts:

Advisor, Dede-Bamfo, N., 2012-2013. Research travel grant, West African Research Centre (WARC), $3,000.

6. Pending Internal/External Grants and Contracts:
[Note: Chow was the sole Principal Investigator (PI) unless otherwise noted]

2024 "Development of Pedestrian Realistic Artificial Datasets (RADs)", Federal Highway Administration (FHWA), Office of Safety and Operation R&D, $400,000, 6/01/2025 – 5/31/2027. (PI: Das Subasish)

2024 "In Situ modeling of burn pit exposures to inform inhalation toxicological assessment in multi- organoid and rat models", Department of Defense (DoD), Congressionally Directed Medical Research Program (CDMRP), Toxic Exposures Research Program (TERP), (Partnering P.I.: Dr. Jack Hutcheson) $574,345, 06/01/2025 – 5/31/2027.

D. Fellowships, Awards, Honors:

2012 Dean's Award for Excellence in Scholarly/Creative Activities, College of Liberal Arts, Texas State University.

2011 Travel Grant, Center for Spatial Studies, Department of Geography, University of California at Santa Barbara, $600. How Does Hydrologic Enforcement Affect Lidar-derived DEM

2005 Travel Grant, Chinese Professional in Geographic Information Systems, $800.

2003 Honorable mention of Lovingood Award, University of South Carolina.

IV. SERVICE

A. University:

Fall 2019 Panel, Data Management Panel Discussion, Technology Enhanced Infrastructure (TEI) Summit, Texas State University, September 5th, 2019.

Spring 2017 Member, 2017-2023 University Plan Read-Across Committee, Texas State University.

Winter 2008 Member, Scholarships, Awards, and Special Events Committee, University of Michigan – Flint.

2005-2006 Member, Extended Learning and Service Committee, University of Michigan – Flint.

B. Departmental:

2024-2026 Chair, Evaluation Committee, Texas State University.

2025-2026 Member, Graduate Committee, Texas State University.

2023-2024 Chair, Online Program Development Committee, Texas State University.

2018-2022 Chair, Recruitment & Communication Committee, Texas State University.

2020-2025 Member, Undergraduate Committee, Texas State University.

2021-2022 Member, Meadows Chair in Water Conservation Search Committee, Texas State University.

Fall 2021 Faculty Advisor, Society of Geographic Information Science (SOGIS), Texas State University.

2020-2021 Member, Environmental Geographer Search Committee, Texas State University.

2018-2020 Member, Graduate Committee, Texas State University.

2017-2018 Chair, Geomorphology Search Committee, Texas State University.

2017-2018 Member, Instructor Review Committee, Texas State University.

2016-2017 Chair, Recruitment & Communication Committee, Texas State University.

2016-2017 Member, Evaluation Committee, Texas State University.

2014-2015 Member, GPP Faculty Search Committee, Texas State University.

2014-2015 Member, Climatology Faculty Search Committee, Texas State University.

2012-2015 Faculty Co-advisor, Graduate Student Research Symposium, Texas State University.

2010-2015 Faculty Advisor, Society of Geographic Information Science (SOGIS), Texas State University.

2014 Member, Personnel Committee Review Subcommittee, Texas State University.

2013-2014 Member, GIScience Faculty Search Committee, Texas State University.

2012-2013 Member, Undergraduate Committee, Texas State University.
2009-2010

2011-2012 Member, Evaluation Committee, Texas State University.

2011-2012 Faculty Advisor, Robby's Ride around the World, Texas State University.

2011-2012 Member, Physical Geographer Search Committee, Texas State University.

2010-2011 Member, Presidential Upper Level Scholarship Committee, Texas State University.

2010-2011 Member, Scholarships/Awards Committee, Texas State University.

2009-2011 Member, Web Site Committee, Texas State University.

C. Community:

Feb 6, 2008 Host, "Improving Michigan's Access to Geographic Information Networks (IMAGIN) Emerging Technologies Seminar - Lidar", University of Michigan – Flint.

D. Professional:
[Note: number of review is in parenthesis]

Associate Editor of the Urban Life Journal
Sept 2023 – Aug 2026

Review Board of the Research Grants Council (RGC) under the Hong Kong SAR government
Feb 2023 – May 2025

Treasurer of the University Consortium of Geographic Information Science (UCGIS)
2018-2023

Committee Member of the Membership Model Task Force of UCGIS
2019-2020

Committee Member of the Membership Committee of UCGIS
2018-2020

Committee Member of the Research Grant Committee at the American Association of Geographers (AAG) 2015-2018

Board of Directors at the International Association of China Professional in Geographic Information Science (CPGIS) 2014-2016

Chair of International Association of China Professional in Geographic Information Science (CPGIS) Election Committee 2015

Chair of International Association of China Professional in Geographic Information Science (CPGIS) Newsletter Committee 2012-2014

Reviewer in Grant Proposal/Report
National Science Foundation 2009, 2010, 2012, 2022
Research Grant Council, HKSAR 2021(2), 2022, 2023 (5), 2024 (6)
Safe-D National UTC 2018

External Reviewer in Tenure & Promotion
Promotion to Professor of Professor Yuxia Huang at the Department of Computing Sciences at TAMUCC 2023

Tenure & Promotion of Professor Michael Starek at the Department of Computing Sciences at TAMUCC 2017

Reviewer in Peer-reviewed Journals

Big Earth Data	2025
Cartography and Geographic Information Science	2010, 2018, 2019, 2022, 2023
Computers, Environmental and Urban Systems	2014, 2015, 2017, 2019
Environmental Hazards	2021
Geographic Information Science and Remote Sensing	2011, 2012, 2013
GeoHorizons	2025
Geomatica	2019
Geomatics, Natural Hazards and Risk	2023
IEEE Access	2018
International Journal of Geographic Information Science	2008 (2), 2010, 2011, 2012 (2), 2013, 2015, 2016, 2023
International Journal of Information Technology & Decision Making	2010
International Journal of Photogrammetry and Remote Sensing	2012
International Journal of Remote Sensing	2009
International Journal of Digital Earth	2015
Journal of Applied Geography	2009
Journal of Environmental Management	2006
Journal of Hazards Material	2008
Journal of Medical Internet Research	2014
Natural Hazards Review	2007, 2020, 2024
Papers in Applied Geography	2021
Transactions in GIS	2015, 2025

Reviewer in Peer-reviewed Book Chapter

Chapter 22 "The role of VGI as a compilation tool for building and maintaining map databases used in navigation and location applications" in Springer Book Series Volume on "Volunteered Geographic Information: New development and applications" 2011

Chapter 5 "Advanced Web-based GIS technologies for public health" in ISPRS Book Series Volume on "Advances in Web-based GIS, Mapping Services and Applications" 2009

Chapter 12 "A geospatial Web application to map observations and opinions in environmental planning" in ISPRS Book Series Volume on "Advances in Web-based GIS, Mapping Services and Applications" 2009

Reviewer in Text Book/Monograph

Harvey, F., 2014, A Primer of GIS: Fundamental Geographic and Cartographic Concepts, 2nd Edition. Guilford Press.

E. Organizations

1. Honorary:

2. Professional:

Member of
Association of American Geographers (AAG)
American Society of Photogrammetry and Remote Sensing (ASPRS)
Chinese Professional in Geographic Information Systems (CPGIS)

F. Services Honors and Awards: