

TIMON McPHEARSON

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Cary Institute of Ecosystem Studies
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RESEARCH INTERESTS

My interdisciplinary scholarship, teaching, and community engagement addresses the interacting social-ecological-technological processes that drive urban system dynamics and impact human wellbeing in order to plan and design more equitable, resilient, and sustainable cities. My research utilizes both empirical (e.g. data science, AI, modeling, experiments) and theoretical approaches (complex systems and resilience theory) to advance research to support development of an urban systems science for improved urban planning, policy, design, and management at local, regional and global scales. See UrbanSystemsLab.com for more information.

My research focuses on advancing knowledge and impact in five overlapping areas:

1. Social vulnerability, equity and urban climate risk
2. Social-ecological-technological systems and urban resilience
3. Nature-based solutions for climate change adaptation
4. Data visualization and science communication
5. Modeling, data science, and spatial analytics

EDUCATION

PhD, Ecology, Evolution, and Natural Resources, Rutgers University, 2004

B.S., Environmental Biology, Taylor University, 1997

ACADEMIC APPOINTMENTS

Faculty Affiliate, *Beijer Institute of Ecological Economics, Royal Swedish Academy of Sciences*, 2021-present

Senior Research Fellow, *Cary Institute of Ecosystem Studies*, 2017-present

Associate Research Fellow, *Stockholm Resilience Center, Stockholm University*, 2017-present

Visiting Research Fellow, *Humboldt University*, Berlin, Germany, 2017

Associate Professor of Urban Ecology (w/tenure), *Environmental Studies, The New School*, 2016-present

Founder and Director, *Urban Systems Lab*, The New School, 2015-present

Chair, *Environmental Studies Program*, The New School, 2015-2017

Research Faculty, *Tishman Environment and Design Center*, The New School, 2008-present

Assistant Professor of Urban Ecology, *Environmental Studies*, The New School, 2008-2016

Visiting Assistant Professor of Ecology, *Earth Institute*, Columbia University, 2008-2009

Columbia Science Fellow (Post-doctoral), Ecology, Evolution, and Environmental Biology (E3B), *Earth Institute*, Columbia University, 2005-2008

PROFESSIONAL EXPERIENCE

Member, World Economic Forum (WEF), Global Commission on BiodiverCities, 2021-present

Member, *Collaborative on Climate Futures*, The New School, 2021 - present.

Member, *Zolberg Institute's Cities and Human Mobility Research Collaborative*, 2020 - present.

Member, *New York City Panel on Climate Change*, NYC Mayor's Office of Resiliency, 2020 - present.

Partner, NYC Mayor's Office of Data Analytics and the Mayor's Office of Policy and Planning, Recovery Data Partnership, 2020 - present

Member, NYC Mayor's Office of Resiliency Rapid Research and Assessment Initiative on COVID-19, 2020 - present

Advisor, *World Resources Institute*, Ross Center for Sustainable Cities, 2020 - present

Expert Consultant, *UN-Habitat*, 2019-present

Expert Consultant, *Green Climate Fund* (GCF), 2019-present

Expert Consultant, *Program on Climate Change, Agriculture and Food Security (CCAFS)*, CGIAR, and *International Fund for Agricultural Development (IFAD)*, 2019-present

Lead Author, *Intergovernmental Panel on Climate Change (IPCC)*, for AR6 Working Group II, 2018-present

Contributing Author, *Intergovernmental Panel on Biodiversity and Ecosystem Services (IPBES)*, 2018-2020

Science Advisor, *Quantified Planet* and *Global Goals Lab*, 2016 – present

Scientific Advisor (Ecology), Science Bulletins, *National Center for Science Literacy, Education, and Technology*, *American Museum of Natural History*, 2004-2006

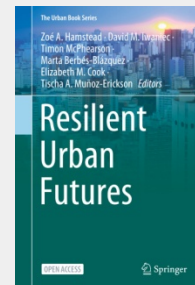
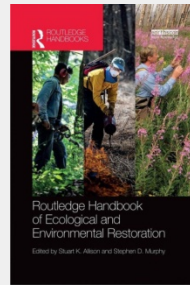
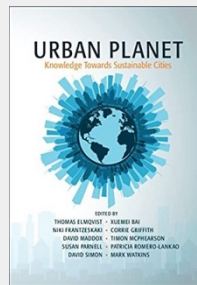
Scientist and Author, *Network of Conservation Educators and Practitioners, American Museum of Natural History*, 2004-2009

Ecologist/Biodiversity Scientist, *Center for Biodiversity and Conservation, American Museum of Natural History*, 2003-2005

PUBLICATIONS

LIFETIME SUMMARY (TO DATE)

- a) **Books:** 3
- b) **Peer Review Journal Articles:** 83
- c) **Manuscripts in Preparation:** 35
- d) **Peer Reviewed Book Chapters:** 27
- e) **Data Sets:** 1
- f) **Other Scholarly Publications:** 47



BOOKS

3. **McPhearson, Timon**, Niki Frantzeskaki, and Nadja Kabisch. *A modern guide to urban nature-based solutions*. Ed. Edward Elgar (in contract, expected publication 2021).
2. Hamstead, Zoé, David Iwaniec, **Timon McPhearson**, Marta Berbés-Blázquez, Elizabeth Cook, Tischa Muñoz-Erickson. 2021. *Resilient Urban Futures*, Springer-Nature.
1. Elmqvist, Thomas, Xuemei Bai, Niki Frantzeskaki, Corrie Griffith, David Maddox, **Timon McPhearson**, Sue Parnell, Paty Romero-Lankao, David Simon, and Mark Watkins (eds). 2018. *Urban Planet: Knowledge toward sustainable cities*. Cambridge University Press. ISBN: 9781107196933.
<https://doi.org/10.1017/9781316647554>

PEER REVIEWED JOURNAL ARTICLES

84. Venter, Z., Barton, D., Martinez-Izquierdo, L., Langemeyer, J., Baró, F., **McPhearson, T.** Interactive spatial planning of urban green infrastructure - retrofitting green roofs where ecosystem services are most needed in Oslo. *Ecosystem Services*, <https://doi.org/10.1016/j.ecoser.2021.101314>
83. Kronenberg, J., Andersson, E., Barton, D.N., Borgström, S., Langemeyer, J., Björklund, T., Haase, D., Kennedy, C., Koprowska, K., Łaszkiwicz, E., **McPhearson, T.** et al. (2021). The thorny path towards greening: Unintended consequences, trade-offs, and constraints in GBI planning, implementation, and management. *Ecology and Society* 26(2):36.
82. Andersson, E., S. Borgström, D. Haase, J. Langemeyer, A. Mascarenhas, T. McPhearson, M. Wolff, E. Łaszkiwicz, J. Kronenberg, D. N. Barton, and P. Herreros-Cantis. 2021. A context-sensitive systems approach for understanding and enabling ecosystem service realization in cities. *Ecology and Society* 26(2):35.
81. Lin, Brenda, Alessandro Ossola, William Ripple, Marina Alberti, Erik Andersson, Xuemei Bai, Cynnamon Dobbs, Thomas Elmqvist, Karl Evans, Niki Frantzeskaki, Richard Fuller, Kevin Gaston, Dagmar Haase, CY Jim, Cecil Konijnendijk, Harini Nagendra, Jari Niemelä, **Timon McPhearson**, William Moomaw, Susan Parnell, Diane Pataki, Puay Yok Tan. 2021. Cities and the new climate normal: Ways forward to address the growing climate challenge. *The Lancet Planetary Health*.

80. **McPhearson, T.**, Grabowski, Z., Herreros-Cantis, P., Mustafa, A., Ortiz, L., Kennedy, C., Tomateo, C., Lopez, B., Olivotto, V., & Vantu, A. (2021). Pandemic Injustice: Spatial and Social Distributions of COVID-19 in the US Epicenter. *Journal of Extreme Events*, 2150007.
79. Chang, H., Pallathadka, A., Sauer, J., Grimm, N. B., Zimmerman, R., Cheng, C., Iwaniec, D. M., Kim, Y., Lloyd, R., **McPhearson, T.**, Rosenzweig, B., Troxler, T., Welty, C., Brenner, R., & Herreros-Cantis, P. (2021). Assessment of urban flood vulnerability using the social-ecological-technological systems framework in six US cities. *Sustainable Cities and Society*, 68, 102786. <https://doi.org/10.1016/j.scs.2021.102786>
78. Egerer, M., Haase, D., **McPhearson, T.**, Frantzeskaki, N., Andersson, E., Nagendra, H., & Ossola, A. (2021). Urban change as an untapped opportunity for climate adaptation. *Npj Urban Sustainability*, 1(1), 1–9.
77. Frantzeskaki, N., **McPhearson, T.**, & Kabisch, N. (2021). Urban sustainability science: prospects for innovations through a system’s perspective, relational and transformations’ approaches. *Ambio*. <https://doi.org/10.1007/s13280-021-01521-1>
76. Elmqvist, T., Acuto, M., Anderson, P., Larsen, L., **McPhearson, T.**, & Zhang, X. (2021). Urbanization in the Anthropocene: inaugural npj Urban Sustainability. *Npj Urban Sustainability*, 1(1), 1–2.
75. Elmqvist, T., Andersson, E., **McPhearson, T.**, Bai, X., Bettencourt, L., Brondizio, E., Colding, J., Daily, G., Folke, C., Grimm, N., Haase, D., Ospina, D., Parnell, S., Polasky, S., Seto, K. C., & Van Der Leeuw, S. (2021). Urbanization in and for the Anthropocene. *npj Urban Sustainability*.
74. Zhou, Weiqi, Steward Pickett, and **Timon McPhearson**. Conceptual Frameworks Facilitate Integration for Transdisciplinary Urban Science. *Nature Urban Sustainability*. *In press*
73. Grabowski, Z. J., **McPhearson, T.**, Matsler, A. M., Groffman, P., Pickett, S. T. A. What Is Green Infrastructure? A study of definitions in US city planning. *Frontiers in Ecology and Evolution*. *In press*
72. Andersson, E., Dagmar, H., Andersson, P., Cortinovis, C., Goodness, J., Kendal, D., Lausch, L., **McPhearson, T.**, Sikorska, T., Wellmann, T. What are the traits of a social-ecological system? Towards a framework in support of urban sustainability. *Nature Urban Sustainability*. 1(1), 1–8. <https://doi.org/10.1038/s42949-020-00008-4>
71. Herreros-Cantis, Pablo and **Timon McPhearson**. “Environmental Justice of Urban Nature-based Solutions: Mismatches in Supply and Demand.” *Ecological Applications*. *In press*.
70. **McPhearson, T.**, Raymond, C. Gulsrud, N., Albert, C., Olafsson, A. S., Coles, N., Soinen, N., Fagerholm, N., Nagatsu, M., Vierikko, K. 2021. Radical changes for transformations to a good Anthropocene. *Nature Urban Sustainability*.
69. Rosenzweig, B. R., Herreros Cantis, P., Kim, Y., Cohn, A., Grove, K., Brock, J., Yesuf, J., Mistry, P., Welty, C., **McPhearson, T.** The Value of Urban Flood Modeling. *Earth's Future* 9, e2020EF001739.
68. Herreros-Cantis, P., Olivotto, V., Grabowski, Z. J., & **McPhearson, T.** (2020). Shifting landscapes of coastal flood risk: environmental (in)justice of urban change, sea level rise, and differential vulnerability in New York City. *Urban Transformations*, 2(1), 9. <https://doi.org/10.1186/s42854-020-00014-w>
67. **McPhearson, T.**, Mustafa, A., and Ortiz, L. (2020). Heat and COVID-19 could be twin killers. *Nature*, 582, p. 32. doi: 10.1038/d41586-020-01627-8
66. Filipa Grilo, Pedro Pinho, Cristiana Aleixo, Cristina Catita, Patrícia Silva, Nuno Lopes, Catarina Freitas, Margarida Santos- Reis, **Timon McPhearson**, Cristina Branquinho. (2020). Using green to cool the grey: Modelling the cooling effect of green spaces with a high spatial resolution. *Science of The Total Environment*. 724. <https://doi.org/10.1016/j.scitotenv.2020.138182>
65. Langemeyer, Johannes, Diego Wedgwood, **Timon McPhearson**, Francesc Baró, Anders L Madsen, David Barton. 2020. “Creating nature-based solutions where they are needed - a spatial ecosystem service-based decision analysis of green roof potentials in Barcelona,” *Science of the Total Environment*, 707.
64. Childers, Daniel, Paul Bois, Hilairy Hartnett, **Timon McPhearson**, Genevieve Metson, Christopher A. Sanchez. 2019. “Urban Ecological Infrastructure: An inclusive concept for the non-built urban environment.” *Elementa Science of the Anthropocene*, 7(1): 46.
63. Bai, Xuemei, M’Lisa Colbert, **Timon McPhearson**, Debra Roberts, Jose Siri, Brenna Walsh, Bob Webb. 2019. “Networking urban science, policy and practice for sustainability.” *Current Opinion in Environmental Sustainability*, 39:114-122.

62. Raudsepp-Hearne, Ciara, Garry D Peterson, Elena M Bennett, ReINETTE Biggs, Albert Norstrom, Laura Pereira, Joost Vervoort, David Iwaniac, **Timon McPhearson**, Tanya Hichert. 2019. "Seeds of Good Anthropocenes: Developing Sustainability Scenarios for Northern Europe." *Sustainability Science*, <https://doi.org/10.1007/s11625-019-00714-8>
61. Rosenzweig, Bernice, Benjamin L. Ruddell, Lauren McPhillips, Robert Hobbins, **Timon McPhearson**, Zhongqi Cheng, Heejun Chang and Yeowon Kim. 2019. "Developing Knowledge Systems for Urban Resilience to Cloudburst Rain Events." *Environmental Science and Policy*, 99:150–159
60. Hölscher, Katharina, Niki Frantzeskaki, **Timon McPhearson**, and Derk Loorbach. 2019. "Capacities for urban transformations governance and the case of New York City." *Cities*, 94:186–199
59. Frantzeskaki, Niki, **Timon McPhearson**, Marcus J. Collier, Dave Kendal, Harriet Bulkeley, Adina Dumitru, Claire Walsh, Kate Noble, Ernita van Wyk, Camilo Ordóñez, Cathy Oke, Laszlo Pinter. 2019. "Nature-based solutions for urban climate change adaptation: linking the science, policy, and practice community for evidence-based decision-making." *BioScience*, doi:10.1093/biosci/biz042
58. Andersson, Erik, Johannes Langemeyer, Sara Borgström, **Timon McPhearson**, Dagmar Haase, Jakub Kronenberg, David N. Barton, McKenna Davis, Sandra Naumann, Lina Röschel, Francesc Baró. 2019. "Enabling Urban Green and Blue Infrastructure to Improve Contributions to Human Well-being and Equity in Urban Systems." *BioScience*, 10.1093/biosci/biz058
57. Elmqvist, Thomas, Erik Andersson, Niki Frantzeskaki, **Timon McPhearson**, Carle Folke, Per Olsson, and Kazuhiko Takeuchi. 2019. "Sustainability and resilience for urban transformations." *Nature Sustainability* 2:267–273 <https://doi.org/10.1038/s41893-019-0250-1>
56. Creutzig, Felix, Steffen Lohrey, Xuemei Bai, Alexander Baklanov, Richard Dawson, Shobhakar Dhakal, William F. Lamb, **Timon McPhearson**, Jan Minx, Esteban Munoz, Brenna Walsh. 2019. "Upscaling urban data science for global climate solutions," *Global Sustainability*, 2, e2, 1–25. <https://doi.org/10.1017/sus.2018.16>
55. Elmqvist, T., Andersson, E., Frantzeskaki, N., **McPhearson, T.**, Olsson, P., Gaffney, O., Takeuchi, K., & Folke, C. 2019. Sustainability and resilience for transformation in the urban century. *Nature Sustainability*, 2(4), 267–273. <https://doi.org/10.1038/s41893-019-0250-1>
54. Keeler, Bonnie L., Perrine Hamel, **Timon McPhearson**, Maike Hamann, Marie Donahue, Kelly Meza Prado, Katie Arkema, Gregory Bratman, Kate Brauman, Jacques Finlay, Anne Guerry, Sarah Hobbie, Justin Johnson, Graham MacDonald, Robert McDonald, Nick Neverisky, and Spencer Wood. 2019. "Social-ecological and technological factors moderate the value of urban nature." *Nature Sustainability*, 2:29–38.
53. Holscher, Katharina, Niki Frantzeskaki, **Timon McPhearson**, and Derk Loorbach. 2019. "Tales of transforming cities: Lessons on capacities for transformative climate governance from frontrunner cities New York City, U.S. and Rotterdam, Netherlands." *Journal of Environmental Management* 231:843-857.
52. Hamstead, Zoé, Carson Farmer, **Timon McPhearson**. 2018. "Landscape-based extreme heat vulnerability assessment." *Journal of Extreme Events* 5:1850018:1-23 <https://doi.org/10.1142/S2345737618500185>
51. Depietri, Yaella, Khila Dahal, and **Timon McPhearson**. 2018. "Multi-hazard risk in a coastal megacity." *Natural Hazards and Earth Systems Sciences*, 18:3363-3381, <https://doi.org/10.5194/nhess-18-3363-2018>^{SEP}
50. Ilieva, Rositsa T. and **Timon McPhearson**. 2018. "Social media data for urban sustainability." *Nature Sustainability* 1:553–565 DOI : 10.1038/s41893-018-0153-6
49. Elmqvist, Thomas, José Siri, Erik Andersson, Pippin Anderson, Xuemei Bai, Pranab Kishore Das, Tatu Gatere, Andrew Gonzalez, Julie Goodness, Steven N. Handel, Ellika Hermansson Török, Jessica Kavonic, Jakub Kronenberg, Elisabet Lindgren, David Maddox, Raymond Maher, Cheikh Mbow, **Timon McPhearson**, Joe Mulligan, Guy Nordenson, Meggan Spires, Ulrika Stenkula, Kazuhiko Takeuchi, Coleen Vogel. 2018. "Urban tinkering." *Sustainability Science*, <https://doi.org/10.1007/s11625-018-0611-0>
48. Locke, Dexter H., and **Timon McPhearson**. 2018. "Urban areas do provide ecosystem services." *Frontiers in Ecology and the Environment* 16: 203-205, <https://doi.org/10.1002/fee.1796>
47. Depietri, Yaella and **Timon McPhearson**. "Changing urban risk: 140 years of climatic hazards in New York City." *Climatic Change* 148:95-108, <https://doi.org/10.1007/s10584-018-2194-2>
46. Andersson, Erik and **Timon McPhearson**. "Making sense of biodiversity: affordances and functional ecology." *Frontiers in Psychology*, DOI: 10.3389/fpsyg.2018.00594

45. Donahue, Marie, Bonnie L. Keeler, Spencer A. Wood, David Fisher, Zoé A. Hamstead, and **Timon McPhearson**. 2018. "Using social media to understand drivers of urban park visitation in the Twin Cities, MN." *Landscape and Urban Planning* 175:1-10, <https://doi.org/10.1016/j.landurbplan.2018.02.006>
44. McPhillips, Lauren, E., Heejun Chang, Mikhail V. Chester, Yaella Depietri, Erin Friedman, Nancy B. Grimm, John S. Kominoski, **Timon McPhearson**, Pablo Méndez-Lázaro, Emma J. Rosi, Javad Shafiei Shiva. "Defining extreme events: a cross-disciplinary review," *Earth's Future*, doi: 10.1002/2017EF000686
43. Hara, Yuji, **Timon McPhearson**, Yuki Sampei, and Brian McGrath. 2018. "Assessing urban agriculture potential: A comparative study of Osaka, Japan and New York City, United States." *Sustainability Science* 1-16, doi.org/10.1007/s11625-018-0535-8
42. Ilieva, R. T., & **McPhearson, T.** (2018). Social-media data for urban sustainability. *Nature Sustainability*, 1(10), 553–565. <https://doi.org/10.1038/s41893-018-0153-6>
41. Hamstead, Zoé, David Fisher, Rositsa Ilieva, Spencer A. Wood, **Timon McPhearson**, and Peleg Kremer. 2018. "Geolocated social media as a rapid indicator of park visitation and equitable park access," *Computers, Environment and Urban Systems*, <https://doi.org/10.1016/j.compenvurbsys.2018.01.007>
40. Kabisch, Nadja, Dagmar Haase, Thomas Elmqvist, and **Timon McPhearson**. 2018. "Cities Matter: Workspaces in Ecosystem-Service Assessments with Decision-Support Tools in the Context of Urban Systems." *BioScience* doi:10.1093/biosci/bix153
39. **McPhearson, Timon**. 2017. "Hurricanes: enlist nature's protection." *Nature* 550:43, doi:10.1038/550043c
38. Groffman, P. M., Cadenasso, M. L., Cavender-Bares, J., Childers, D. L., Grimm, N. B., Grove, J. M., Hobbie, S. E., Hutyrá, L. R., Darrel Jenerette, G., **McPhearson, T.**, Pataki, D. E., Pickett, S. T. A., Pouyat, R. V., Rosi-Marshall, E., & Ruddell, B. L. (2017). Moving Towards a New Urban Systems Science. *Ecosystems*, 20(1), 38–43. <https://doi.org/10.1007/s10021-016-0053-4>
37. Elmqvist, Thomas, Erik Andersson, and Owen Gaffney, and **Timon McPhearson**. 2017. "Sustainability and resilience differ." *Nature* 546:352, doi:10.1038/546352d
36. Romero-Lankao, Patricia, **Timon McPhearson**, and Debra J. Davidson. 2017. "The food-energy-water nexus and urban complexity." *Nature Climate Change*, 7:233-235, doi:10.1038/nclimate3260
35. **McPhearson, Timon**, David Iwaniec, and Xuemei Bai. 2017. "Positives visions for guiding transformations toward desirable urban futures." *Current Opinion in Environmental Sustainability* (Special Issue), 22:33–40 DOI: 10.1016/j.cosust.2017.04.004
34. Bai, Xuemei, **Timon McPhearson**, Helen Cleugh, Harini Nagendra, Xin Tong, Tong Zhu, Yong-Guan Zhu. 2017. "Linking Urbanization and the Environment: Conceptual and Empirical Advances." *Annual Review of Environment and Resources* 42:12.1–12.26, DOI: 10.1146/annurev-environ-102016-061128
33. Gittleman, Mara, Carson Famer, Peleg Kremer, and **Timon McPhearson**. 2017. "Estimating Stormwater Runoff for Community Gardens in New York City." *Urban Ecosystems*, DOI 10.1007/s11252-016-0575-8
32. **McPhearson, Timon**, Sue Parnell, David Simon, Owen Gaffney, Thomas Elmqvist, Xuemei Bai, Debra Roberts, Aromar Revi. 2016. "Scientists must have a say in the future of cities." *Nature*, 538:165-166.
31. Groffman, Peter, Cadenasso, Mary, Cavender-Bares, Jeannine, Childers, Daniel, Grimm, Nancy, Grove, Morgan, Hobbie, Sarah, Hutyrá, Lucy, Jenerette, Darrel, **McPhearson, Timon**, Pataki, Diane, Pickett, Steward, Pouyat, Richard, Rosi-Marshall, Emma, Ruddell, Benjamin. 2016. "Moving toward an Urban Systems Science." *Ecosystems*, DOI: 10.1007/s10021-016-0053-4
30. Bennett, E.M., M. Solan, R. Biggs, **T. McPhearson**, A. Norstrom, P. Olsson, L. Pereira, G.D. Peterson, C. Raudsepp-Hearne, F. Biermann, S. R. Carpenter, E. Ellis, T. Hichert, V. Galaz, M. Lahsen, M. Milkoreit, B. Martin-Lopez, K. A. Nicholas, R. Preiser, G. Vince, J. Vervoort, J. Xu. 2016. "Bright Spots: Seeds of a Good Anthropocene." *Frontiers in Ecology and the Environment*, 14(8): 441–448, doi:10.1002/fee.1309
29. Larondelle, Neele, Dagmar Haase, Zoé A. Hamstead, Peleg Kremer und **Timon McPhearson**. 2016. "Eine neue Stadtstrukturklassifikation zur Analyse der Beziehung zwischen ökologischer Funktion, Bebauung und Bodenbedeckungsstruktur: Eine vergleichende Studie von Berlin und New York City." *Stadtforschung Und Statistik* 2:65-77.
28. **McPhearson, Timon**, Dagmar Haase, Nadja Kabisch, Åsa Gren. 2016. "Advancing understanding of the complex nature of urban systems." *Ecological Indicators* 70: 566–573, <http://dx.doi.org/10.1016/j.ecolind.2016.03.054>

27. Frantzeskaki, Niki, Nadja Kabisch and **Timon McPhearson**. 2016. "Advancing urban environmental governance: Understanding theories, practices and processes shaping urban sustainability and resilience." *Environmental Science and Policy* (Special Issue), 62:1-6, <http://dx.doi.org/10.1016/j.envsci.2016.05.008>
26. Kremer, Peleg, Zoé A. Hamstead, and **Timon McPhearson**. 2016. "The Value of Urban Ecosystem Services: A Spatially Explicit Multicriteria Analysis of Landscape Scale Valuation Scenarios in NYC." *Environmental Science and Policy* (Special Issue), <http://dx.doi.org/10.1016/j.envsci.2016.04.012>
25. **McPhearson, Timon**, S.T.A. Pickett, N. Grimm, J. Niemelä, M. Alberti, T. Elmqvist, C. Weber, D. Haase, J. Breuste, and S. Qureshi. 2016. "Advancing Urban Ecology Toward a Science of Cities." *BioScience* 66(3):198-212, doi: 10.1093/biosci/biw002.
24. Kremer, Peleg, Zoé Hamstead, Dagmar Haase, **Timon McPhearson**, Niki Frantzeskaki, Erik Andersson, Nadja Kabisch, Neele Larondelle, Emily Lorange Rall, Gina Avlonitis, Christine Bertram, Francesc Baró, Erik Gómez-Baggethun, Asa Gren, Rieke Hansen, Anna Kaczorowska, Jaan-Henrik Kain, Jakub Kronenberg, Johannes Langemeyer, Pamela Muehlmann, Stephan Pauleit, Katrin Rehdanz, Maria Schewenius, Chantal van Ham, Annette Voigt, Daniel Wurster, Thomas Elmqvist. 2016. "Key insights for the future of urban ecosystem services research." *Ecology and Society*, 21(2):29 <http://dx.doi.org/10.5751/ES-08445-210229>
23. Hamstead, Zoé A., Neele Larondelle, Peleg Kremer, **Timon McPhearson**, and Dagmar Haase. 2016. "Classification of the heterogeneous structure of urban landscapes (STURLA) as an indicator of landscape function applied to surface temperature in New York City." *Ecological Indicators* (Special Issue) 70: 574–585, <http://dx.doi.org/10.1016/j.ecolind.2015.10.014>
22. McHale, Melissa R., Steward TA Pickett, Olga Barbosa, David N Bunn, Mary L Cadenasso, Daniel L Childers, Meredith Gartin, George Hess, David M Iwaniec, **Timon McPhearson**, M. Nils Peterson, Alexandria K. Poole, Louie Rivers III, Shade T Shuttters, Weiqi Zhou. 2015. "The New Global Urban Realm: Complex, Connected, Diffuse, and Diverse Social-Ecological Systems." *Sustainability* (Special Issue) 7: 5211-5240, doi:10.3390/su7055211
21. **McPhearson, Timon**, Erik Andersson, Thomas Elmqvist, and Niki Frantzeskaki. 2015. "Resilience Of and Through Urban Ecosystem Services," *Ecosystem Services* (Special Issue) 12:152-156, DOI: 10.1016/j.ecoser.2014.07.012
20. Kremer, Peleg, Erik Andersson, **Timon McPhearson**, and Thomas Elmqvist. 2015. "Advancing the Frontier of Urban Ecosystem Services Research." *Ecosystem Services* (Special Issue), <http://dx.doi.org/10.1016/j.ecoser.2015.01.008>
19. Andersson, E., Tengö, M., **McPhearson, T.**, & Kremer, P. (2015). Cultural ecosystem services as a gateway for improving urban sustainability. *Ecosystem Services*, 12, 165–168. <https://doi.org/10.1016/j.ecoser.2014.08.002>
18. Andersson, Erik, **Timon McPhearson**, Peleg Kremer, Erik Gomez-Baggethun, Dagmar Haase, Magnus Tuvendal, and Daniel Wurster. 2015. "Scale and Context Dependence of Ecosystem Service Providing Units." *Ecosystem Services* (Special Issue), <http://dx.doi.org/10.1016/j.ecoser.2014.08.001>
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33. Elmqvist, Thomas, Xuemei Bai, Niki Frantzeskaki, Corrie Griffith, David Maddox, **Timon McPhearson**, Sue Parnell, Paty Romero-Lankao, David Simon, and Mark Watkins. 2018. “New Integrated and Actionable Urban Knowledge for the Cities We Want and Need.” *The Nature of Cities*. <https://www.thenatureofcities.com/2018/04/30/new-integrated-actionable-urban-knowledge-cities-want-need/>

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<https://www.thenatureofcities.com/2018/04/21/positive-visions-sustainable-resilient-equitable-cities/>
31. Lodha, Ruchika, and **Timon McPhearson**. 2018. “Nature Atlas: Exploring Multi-scalar Methods for Mapping Urban Environments,” *The Nature of Cities*. <https://www.thenatureofcities.com/2018/03/05/nature-atlas-exploring-multi-scalar-methods-mapping-urban-environments/>
30. **McPhearson, Timon**, Dagmar Haase, Erik Andersson, and Nadja Kabisch. 2018. “Humans are components of ecosystems: a response to “100 articles every ecologist should read.” *ESA blog, Ecotone*,
<https://www.esa.org/esablog/guest-posts/humans-are-components-of-ecosystems-a-response-to-100-articles-every-ecologist-should-read/>
29. **McPhearson, Timon** and David Maddox. 2018. “An ecology for the Anthropocene.” *The Nature of Cities*,
<https://www.thenatureofcities.com/2018/01/29/one-thing-every-ecologist-know-urban-ecology/>
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<https://www.thenatureofcities.com/2016/12/07/climate-resilience-means-meaningfully-engaging-vulnerable-communities-urban-planning-processes/>
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<https://www.thenatureofcities.com/2016/07/03/accessing-urban-environmental-education-opportunities-via-green-infrastructure/>
23. Olander, Lydia, Gregory W. Characklis, Patrick Comer, Micah Effron, John Gunn, Tom Holmes, Robert Johnston, James Kagan, William Lehman, John Loomis, **Timon McPhearson**, Anne Neale, Lauren Patterson, Leslie Richardson, Martin Ross, David Saah, Samantha Sifleet, Keith Stockmann, Dean Urban, Lisa Wainger, Robert Winthrop, and David Yoskowitz. 2016. “Data and Modeling Infrastructure for National Integration of Ecosystem Services into Decision Making: Expert Summaries.” NESP WP 16-02. Durham: National Ecosystem Services Partnership.
22. **McPhearson, Timon**. 2015. “Urban social, ecological, and technical-built system (SETS) resilience”. *The Nature of Cities*, <http://www.thenatureofcities.com/2015/05/19/taking-resilience-out-of-the-realm-of-metaphor-how-do-you-measure-resilience-in-cities-how-would-you-know-if-your-city-or-your-community-was-resilient/>
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18. **McPhearson, Timon**. 2014. An Urban Ecology Approach to “The Future We Want”. *Revolve Magazine* 11:18-24. <http://www.revolve-magazine.com/home/2014/06/20/urban-ecology-an-approach-to-the-future-we-want/>
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 16. **McPhearson, Timon**. 2014. “How much should we worry about exotic species in urban zones?” *The Nature of Cities*, <http://www.thenatureofcities.com/?p=6501>
 15. **McPhearson, Timon**. 2014. “Many believe that better information on the monetary value of ecosystem services is critical for getting cities to adopt more green infrastructure solutions”. *The Nature of Cities*, <http://www.thenatureofcities.com/?p=5792>
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 13. **McPhearson, Timon**. 2013. “Getting Beyond Plant PR: Accounting for Both Services and Disservices of Urban Green Infrastructure.” *The Nature of Cities*, <http://www.thenatureofcities.com/?p=3425>
 12. **McPhearson, Timon**. 2013. “Wicked Problems, Social-ecological Systems, and the Utility of Systems Thinking.” *The Nature of Cities*, <http://www.thenatureofcities.com/?p=2180>
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 6. Horning, Ned, **Timon McPhearson**, and Osman C. Wallace. 2009. *An Introduction to Remote Sensing*. Network of Conservation Educators and Practitioners, American Museum of Natural History, New York.
 5. Johnson, Elizabeth A. and **Timon McPhearson**. 2007. *Protecting Nature in Your Community*. Center for Biodiversity and Conservation, American Museum of Natural History, New York.
 4. **McPhearson, Timon** and Osman C. Wallace. 2007. *Application of Remote Sensing to Biodiversity Conservation*. Network of Conservation Educators and Practitioners, American Museum of Natural History, New York.
 3. **McPhearson, Timon**. 2005a. *How Will Climate Change Affect Natural Ecosystems? : An Exercise*. Network of Conservation Educators and Practitioners, American Museum of Natural History, New York.
 2. **McPhearson, Timon**. 2005b. *Evaluating Climate Standards*. Network of Conservation Educators and Practitioners, American Museum of Natural History, New York.

1. Horning, Ned and **Timon McPhearson**. 2004. *Viewing Landsat TM images with Adobe Photoshop: Reformatting images into GeoTIFF format*. Remote Sensing and Geographic Information Facility, Center for Biodiversity and Conservation, American Museum of Natural History, New York.

GRANTS AND FUNDING

- SCC-IRG Track 1: REACT: Coproducing urban flood data and knowledge networks for community resilience action. National Science Foundation, Smart and Connected Communities program. PI **Timon McPhearson**, Co-PI Daniel Sauter with others. 2021. Pending: \$2,500,000.
- Resilience in Regional Social-Ecological-Technological Systems (ReSET). National Science Foundation, Sustainable Regional Systems Research Networks (SRS RNs) program. PI Nancy Grimm, Co-PI **Timon McPhearson** with others. 2020. Pending: \$1,220,998.
- Focused CoPe: Balancing ecosystem services in an urban estuary linked with nitrogen loading National Science Foundation, Coastlines and People program, PI Dianne I Greenfield, Co-PI **Timon McPhearson** with others. Pending: \$3,683,715
- Research Internships Supplemental Funding Program, 2020, National Science Foundation. PI **Timon McPhearson**. Funded: \$55,000
- Is Green Infrastructure a Universal Good?, JPB Foundation. PI Steward Pickett, Co-PI **Timon McPhearson** with others. 2020. Funded: \$500,000.
- SMARTer Greener Cities: Making Smart Cities Smarter and More Liveable through Nature-based Solutions, Nordforsk (Norwegian Research Council). PI Erik Andersson, Co-PI **Timon McPhearson**. 2020-2023. Funded: \$1,000,000.
- Perception and Use of Urban Parks and Open Space in NYC During COVID-19 Social Distancing, 2020, NYS Health Foundation. PI **Timon McPhearson**. Funded: \$20,000
- *RAPID: Interdependent social vulnerability of COVID-19 and weather-related hazards in New York City*. National Science Foundation, PI **Timon McPhearson** with others. 2020. Funded: \$200,000.
- *Urban resilience to extreme weather related events (UREx)*, National Science Foundation, PI Charles Redman, Co-PI **Timon McPhearson** with others. 2020. Supplement to UREx, Funded: \$46,000.
- *Converging social, ecological, and technological infrastructure systems (SETS) for urban resilience*, National Science Foundation, Growing Convergence Research Program, PI Michael Chester, Co-PI **Timon McPhearson** with others. 2019. Funded: \$3,600,000.
- *Environmental Justice of Urban Flood Risk and Green Infrastructure Solutions*, Kresge Foundation, PI **Timon McPhearson**. 2019. Funded: \$310,000.
- *Nature-based solutions for Urban Resilience in the Anthropocene (NATURA)*, National Science Foundation, Accel-Net Program, PI Nancy Grimm, PI **Timon McPhearson**. 2019. Funded: \$2,000,000.
- *NYC Stormwater Resiliency*, NYC Dept. of Environmental Protection and Mayor's Office of Recovery and Resiliency, PI Brianne Smith, Co-PI **Timon McPhearson**. 2018. Funded: \$1,800,000.
- *Is Green Infrastructure a Universal Good?" JPB Foundation, PI Steward Pickett, Co-PI Timon McPhearson* with others. 2018. Funded: \$1,000,000.
- Integrating Human Health and Well-Being with Ecosystem Services, U.S. Environmental Protection Agency. PI **Timon McPhearson**, 2016. Funded: \$400,000 (in 2017 Trump rescinded the award)
- *Enabling green-blue infrastructure in complex social-ecological regions - system solutions to wicked problems (ENABLE)*, Biodiversa and European Commission, PI Erik Andersson, Co-PI **Timon McPhearson**. 2016. Funded: \$3,000,000.
- *Urban Resilience to Extreme Weather-related Events (UREx), Sustainability Research Network (SRN)*, National Science Foundation, PI Charles Redman, Co-PI **Timon McPhearson** with others. 2015. Funded: \$12,000,000.
- *Connect-the-Dots*, Tishman Environment and Design Center, ReNew School Project14k, PI **Timon McPhearson**. 2015. Funded: \$10,000.

- *The mental health benefits of nature experience: Translating science to urban design*, University of Minnesota Serendipity Grant, PI Bonnie Keeler, co-author **Timon McPhearson** with others. 2015. Funded: \$19,000.
- *Livable Urban Futures*, Future Earth, Urban Cluster, PI Thomas Elmqvist, Co-PI **Timon McPhearson** with others. 2014. Funded: \$100,000.
- *Bright Spots: Seeds of a Good Anthropocene*, Future Earth, Fast-track Initiative, PI Elena Bennett, Co-PI **Timon McPhearson** with others. 2014. Funded: \$75,000.
- *Scientific Support for the Intergovernmental Panel on Biodiversity and Ecosystem Services (IPBES) Knowledge Generation*, Future Earth, Cluster, PI Paul Leadley, Co-PI **Timon McPhearson** with others. 2014. Funded: €75,000.
- *Global Biodiversity Monitoring, Prediction and Reporting*, Future Earth, Urban Cluster, PI Walter Jetz, Co-PI **Timon McPhearson** with others. 2014. Funded: €75,000.
- *Modeling the economic value of urban green infrastructure with Urban InVEST: A model design and development framework*, Natural Areas Conservancy, **Timon McPhearson**, PI, Tishman Environment and Design Center, The New School, 2014. Funded: \$24,196.
- *Turning Vacant Acres Into Community Resources*, NSPE Civic Engagement Fund, PI Timon McPhearson. 2014. Funded: \$6000.
- *Turning Vacant Acres Into Community Resources*, RSF Social Finance, PI Timon McPhearson. 2014. Funded: \$2500.
- *Soil-Vegetation Dynamics and Tree Growth and Survivorship Outcomes of MillionTreesNYC Forest Restoration in New York City Parkland*, Eppley Foundation for Research, **Timon McPhearson**, PI, Tishman Environment and Design Center, The New School, 2013. Funded: \$25,500.
- *Mutual Mentoring Grant*, The New School Provost Office, PI **Timon McPhearson** and Nevin Cohen, 2012. Funded: \$5000
- *Initiative for Educational Innovation in University-Community Partnerships*, Rockefeller Foundation, Cultural Innovation Fund, Michele Kahane, PI, and Co-PIs: Karen Demoss, **Timon McPhearson**, and Anthony Whitfield. The New School for Public Engagement, 2012. Funded: \$250,000
- *The New School University Center Green Roof*, New York City Department of Environmental Protection NYC Green Infrastructure Grant Program, Lia Gartner, PI, and Co-PIs: Joshua Cohen, Gwen Kilvert, and **Timon McPhearson**. The New School, 2012. Funded: \$325,000.
- *Urban Ecology Field Experience*, Civic Engagement Fund Grant, **Timon McPhearson**, PI, Tishman Environment and Design Center, The New School for Public Engagement, 2011. Funded: \$10,000.
- *Research Assistantship for the Study of Urban Ecosystems*, The New School Provost Office Research Fund, **Timon McPhearson**, PI, Tishman Environment and Design Center, The New School, 2010-present. Funded: \$3,200 each year (expanded to \$5,100/yr in 2015 and subsequently).
- *Assessing Soil Heterogeneity in New York City's Urban Forests*, Eppley Foundation, **Timon McPhearson**, PI, Tishman Environment and Design Center, The New School, 2010. Funded: \$40,000.
- *MillionTreesNYC, Green Infrastructure, and Urban Ecology Research*, The New School Provost Office Academic Events Fund, **Timon McPhearson**, PI, Tishman Environment and Design Center, The New School, 2010. Funded: \$7,900.
- *Understanding the Dynamic Connections Among Stewardship, Land Cover, and Ecosystem Services in New York City's Urban Forest*, National Science Foundation ULTRA-Ex (Urban Long-term Research Areas) Program. Dana Fisher, PI; Chris Small, Co-PI; Gareth Russell, Co-PI. Senior Personnel: William R. Burch Jr., Lindsay K. Campbell, J. Morgan Grove, Jacqueline W.T. Lu, **P. Timon McPhearson**, Erika S. Svendsen, Fiona S. Watt. Columbia University, 2009. Funded: \$300,000.
- *New York City StEM (Stewardship and Environmental Mapping) Project*, Clinton Global Initiative University, Griffin Johnston, co-PI, **P. Timon McPhearson**, co-PI, The New School, 2009. Funded: \$9,000.
- *The Nature of Ethics and the Ethics of Nature*, Science and Transcendence Advanced Research Series Research Planning Grant, **P. Timon McPhearson**, PI; Richard Randolph, Co-PI, Columbia University, 2007. Funded: \$20,000.

- *Expanding Community Outreach Through Science Education*, Metanexus Local Societies Initiative Supplemental Grant Prize, **P. Timon McPhearson**, PI; Robert Pollack, Co-PI, Columbia University, 2007. Funded: \$10,000.
 - *Symposia on the Science of Spiritual Questions*, The Fetzer Institute, Robert Pollack, PI; Paul Gailey, Co-PI; **P. Timon McPhearson**, co-author, Columbia University, 2006. Funded: \$195,000.
 - *Biodiversity and Ecosystem Function*, National Science Foundation, Peter J. Morin, PI, Owen Petchey, Co-PI, **P. Timon McPhearson**, co-author, Rutgers University, 1997. Funded: \$380,000
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FELLOWSHIPS AND AWARDS

2020 *NYC Climate Heroes Award*, NYC Department of Transportation and Human Impacts Institute, New York

2019-2021 *University Fellowship*, The New School

2019 *Sustainability Science Award*, Ecological Society of America

2019 *Innovation in Sustainability Science Award*, Ecological Society of America

2018 *BiodivERsA Prize*, awarded to the URBES Project team

2017 *Distinguished University Teaching Award*, The New School, New York

2017 *Civic Liberal Arts Sustaining Partnerships Residency*, Eugene Lang College, The New School

2014 *Visiting Research Fellow*, *Stockholm Resilience Center*, Stockholm University, Sweden

2005-07 *Columbia Science Fellowship*, The Importance of Cooperation in Ecological Communities, Columbia University

2006 *Young Scientist Award*, World Knowledge Dialogues, Crans-Montana, Switzerland

2006 Official Selection, SCINEMA Festival of Science Film, *Lemurs of Madagascar: Surviving on an Island of Change*, American Museum of Natural History

2006 *Finalist, Distinguished Achievement Awards*, Best Educational Website: Science, Association of Educational Publishers, American Museum of Natural History

2005 *Winner, Award of Excellence*, Technology & Learning Magazine, American Museum of Natural History

2005 *Winner, Distinguished Achievement Awards*, Best Educational Website: Informational, Adult, Association of Educational Publishers, American Museum of Natural History

2005 *Winner, Distinguished Achievement Awards*, Best Website Interface Usability, Adult, Association of Educational Publishers, American Museum of Natural History

2003 *Bevier Graduate Fellowship*, Rutgers University

2002 *Dean's Graduate Fellowship*, Rutgers University

1999-2002. National Science Foundation Graduate Research Fellowship, *The Maintenance of Cooperation in Biological Systems*, Rutgers University

1998 Rutgers University Center for Biodiversity Fellowship, Rutgers University

1998 Andrew W. Mellon Graduate Fellowship, Organization for Tropical Studies

1997 National Science Foundation Graduate Research Fellowship, Honorable Mention

RECENT/SELECTED INVITED LECTURES (*presenter)

- **McPhearson, T.** 2021. “Paradigm Shift in Sustainability Science: From Place-Based to Metacoupled”. Presentation for the symposium, Post-sustainability Science in the Transitional Era: Remaking Future Agendas and Pathways. City University of Hong Kong, Department of Public Policy.
- David Iwaniec and **Timon McPhearson**. 2021. Futures Scenarios: From Visions to Spatially Explicit Modeled Futures. Urban Resilience to Extreme Events Sustainability Research Network (URExSRN) All-hands Synthesis Meeting.
- **Timon McPhearson***. 2021. “Global insights and challenges on Nature-based solutions for urban climate resilience.” Keynote, The Nature of Cities Festival.
- Nancy B Grimm, Marta Berbés-Blázquez, Mikhail Chester, Elizabeth Cook, David Iwaniec, Sam Markolf, **Timon McPhearson**, Tischa Muñoz-Erickson. 2021. “Future of Synthesis in Ecology” workshop, “Merging concepts of resilience to meet challenges of the Anthropocene”. National Academy of Sciences, Washington, D.C.
- **Timon McPhearson**. 2020. “Data Science for Co-Producing Resilient Urban Futures.” Seminar, NYU Center for Urban Science and Progress (CUSP).
- **Timon McPhearson**. 2020. Resilience Roundtable: Re-imagining the city in the age of coronavirus. Panel discussion, The New School.
- **Timon McPhearson**. 2020. Panel Moderator, Managed Retreat Film Screening & Panel. The New School.
- **Timon McPhearson**. 2020. “A Nexus Approach to Nature’s Multiple Benefits to Build Resilience in Urban Areas.” Moderator for the Daring Cities 2020 webinar organized by International Council for Local Environmental Initiatives (ICLEI).
- **Timon McPhearson** and Christopher Kennedy. 2020. “Perception and Use of Urban Parks and Open Spaces in NYC During Covid-19.” Presentation for the ENABLE webinar, The evolving role of green & blue infrastructure as refuges from a pandemic.
- **McPhearson, Timon**. 2020. “Establishing nature-based solutions for urban resilience.” Presentations for the seminar, Nature-based solutions and the science-policy interface. ReNature Project.
- **McPhearson, Timon**. 2020. “Nature-based Solutions in and For Cities”. Panel presentation for Nature-based Solutions Digital Dialogues. The University Of Oxford.
- **McPhearson, Timon**, Annel Hernandez, Emily Noble Maxwell, Christian Braneon. 2020. “Extreme Heat, COVID, & Equity in NYC.” Cary Institute of Ecosystems Studies, New York.
- **McPhearson, Timon**. 2020. “Resilience and sustainability: trade-offs and justice concerns” Invited Talk, Princeton Environmental Institute, Princeton University, New Jersey.
- **McPhearson, Timon**. 2020. “A Science of Cities for Resilience and Sustainability” Invited Talk, Cornell Urban Tech Hub, New York.
- **McPhearson, Timon**. 2020. “COVID-19 and Climate Justice in NYC”. Invited Talk, The New School Alumni Association, New York.
- **McPhearson, Timon**. 2020. “COVID-19 And Climate Interdependent and Cascading Risks In Cities?” Invited Talk, Tishman Environment And Design Center, New York.
- **McPhearson, Timon**. 2020. “Earth Day 2020 and COVID-19. How Are Environmental and Health Crises Linked? Future Earth.” Invited Talk, Future Earth.

- **McPhearson, Timon.** 2020. “Nature-based solutions for Urban Climate Resilience.” Climate Change and Cities Lecture Series, Invited Talk, MIT, Department of Urban Planning and Policy, Cambridge, MA.
- **McPhearson, Timon.** 2020. “Urban Futures: Building a Science of Cities for Resilience and Sustainability.” 2020 Barry Commoner Lecture on the Environment, Keynote Lecture at Marymount Manhattan College, New York.
- **McPhearson, Timon,** Kristin Baja, and Steward Pickett. 2020. “Is Green Infrastructure Fair? A science conversation.” Cary Institute of Ecosystems Studies, WNYC Greene Space, New York.
- **McPhearson, Timon.** 2019. “Urban Futures: Transforming Cities for Resilience and Sustainability.” Voices of Discovery series at Elon University, Elon, NC.
- **McPhearson, Timon.** 2019. “NATURA: Nature-based solutions for Urban Resilience in the Anthropocene,” US National Science Foundation, Accel-Net Program, PI meeting, Alexandria, Virginia
- **McPhearson, Timon** and Pablo Herreros-Cantis. 2019. “Dismantling Racism: Exposing Climate Injustice in Cities.” Kresge Foundation CREWS, Richmond, VA.
- **McPhearson, Timon.** 2019. “AI for Urban Resilience: Machine learning for Projecting Scenarios of Resilient Urban Futures.” Princeton University, Stockholm Resilience Centre, Swedish General Consulate, New York.
- **McPhearson, Timon.** 2019. “A Systems Approach to Urban Resilience in NYC.” Building a Resilient Future, Global Resilience Partnership, UN Climate Action Summit, The New School, New York, NY.
- **McPhearson, Timon.** 2019. “Global Climate Context for Facing Risk in Latin Cities.” Building a Resilient Future, Global Resilience Partnership, UN Climate Action Summit, The New School, New York, NY.
- **McPhearson, Timon.** 2019. “Resilient Futures: New Thinking on Climate Change.” Urban Systems Lab, The New School, New York.
- **McPhearson, Timon.** 2019. *Keynote. “Making Smart Cities Smarter: Nature-based solutions for climate resilience.” Chinese Academy of Sciences, State Key Lab on Urban State Key Laboratory of Urban and Regional Ecology
- Research Center for Eco-Environmental Sciences, Beijing, China.
- **McPhearson, Timon.** 2019. *Keynote. “Making Smart Cities Smarter: Nature-based solutions for climate resilience.” HELSUS, Helsinki Institute of Sustainability Science, Helsinki, Finland
- **McPhearson, Timon** and Steward Pickett. 2019. *Keynote. “Urban Resilience: Why Ecology Matters.” Cary Institute of Ecosystem Studies, WNYC Greene Space, New York, NY.
- **McPhearson, Timon.** 2018. *Keynote. “Urban Futures: Transforming Cities for Resilience and Sustainability.” Reframing Urban Resilience Implementation: Aligning Sustainability and Resilience, 11th International Forum on Urbanism (IFoU), with Universitat Internacional de Catalunya (UIC), the Urban Resilience research Network (URN) and the UN Habitat City Resilience Profiling Program, Barcelona, Spain.
- **McPhearson, Timon.** 2018. *Keynote, “The Spatial Distribution of Climate Risks and Nature-based Solutions in New York City,” for 11th International Forum on Urbanism (IFOU) Congress 2018 Side Event, “Beyond re-naturing cities: Integrating social justice and health equity in urban greening,” ICLEI, IUCN, ENABLE, NATURVATION, and GreenLULUs, Barcelona, Spain.
- **McPhearson, Timon.** 2018. *Keynote. “Mainstreaming urban nature-based solutions for resilience in the Anthropocene.” URBIO conference, Cape Town, South Africa.
- **McPhearson, Timon.** 2018. Member of the Science & Technology Major Group delegation for the High-Level Political Forum (HLPF), Sustainable Development Goals, United Nations, New York.
- **McPhearson, Timon.** 2018. Invited presenter, “Data Collection and Model Integration in SRN.” US National Science Foundation, SRN Awardees Conference, Arlington, VA.
- **McPhearson, Timon.** 2018. Invited presenter, “SRN Perspectives on Social Equity and Justice, Environmental Justice, and Societal Ethics.” US National Science Foundation, SRN Awardees Conference, Arlington, VA.
- **McPhearson, Timon.** 2018. Invited Keynote, “Is your building at risk?: Heat waves and flooding in New York City.” Cary Institute of Ecosystems Studies, University Club, New York City.
- **McPhearson, Timon.** 2018. Invited plenary, “Past, present, and future climate change in New York City.” Conference on Climate Migration and Cities, Zolberg Institute on Migration and Mobility, Urban Systems Lab, The New School, New York.

- **McPhearson, Timon.** 2018. Invited lecture, “A social-ecological-technical systems approach to modeling urban futures.” Hamilton College, New York.
- **McPhearson, Timon.** 2018. Invited Keynote, “A Science of Cities: Evidence-based decision-making for urban sustainability transformations.” Think and Act for transformative Change (TAC talk), Dutch Research Institute for Transitions (DRIFT), Rotterdam, The Netherlands.
- **McPhearson, Timon.** 2018. “Urban Futures: Positive Visioning and Co-design in Urban Systems,” Future Earth, Urban Knowledge Action Network, January teleconference.
- **McPhearson, Timon.** 2017. Invited contributor to “Climate Adaptation at Princeton: Engineering, Sciences, Design, Planning, Policy, and the Humanities,” Princeton Center for Climate Adaptation and Resilience, Princeton University, Princeton, NJ.
- **McPhearson, Timon.** 2017. Invited lecture “A Social-Ecological-Technical Systems Approach to Urban Resilience,” to Rockefeller Resilience Journalism Fellowship Program, Rockefeller Foundation, CUNY Graduate School of Journalism, New York, NY.
- **McPhearson, Timon.** 2017. Invited lecture “Modeling urban futures: Spatial patterns of heat and heat vulnerability in New York City,” Cary Institute of Ecosystem Studies, Millbrook, NY.
- **McPhearson, Timon.** 2017. Invited lecture “A Social-Ecological-Technical Systems Approach to Urban Ecosystem Services,” University of Pennsylvania, Landscape Architecture Graduate Program, Philadelphia, Pennsylvania.
- **McPhearson, Timon.** 2017. Invited presenter “Urban System Lab” to Urban Ecology Session, MetroLab Brussels, Parsons School of Design, The New School, New York, NY.
- **McPhearson, Timon.** 2017. Invited contributor “Expert Panel on the Urban Science-policy Interface,” UCL-*Nature Sustainability* Panel, University College London, London, UK.
- **McPhearson, Timon***. 2017. “Resilient Cities, Livable Futures,” Keynote and panel moderator with Dan Zarrilli, Cecil Corbin-Mark, Jennifer Bolstad, and Walter Meyer for “Resilient Cities, Livable Futures” Urban Resilience to Weather-related Extremes Sustainability Research Network, The New School, New York, NY.
- Daniel Sauter*, Jaskirat Randhawa*, and **Timon McPhearson***. 2017. “3D Urban systems data visualization in New York City.” Urban Resilience to Weather-related Extremes Sustainability Research Network, The New School, New York, NY.
- **McPhearson, Timon***. 2017. “A social-ecological-technical systems approach to urban ecosystem services.” The Nature Conservancy Long Island, Cold Springs Harbor, NY.
- **McPhearson, Timon***. 2017. Identifying locations for “cool corridors” to reduce heat vulnerability in NYC.” NYC Mayor’s Office of Recovery and Resiliency and NYC Dept. of Parks & Recreation, City Hall, New York, NY.
- **McPhearson, Timon***. 2017. “A social-ecological-technical systems approach to urban ecosystem services.” UPMC, CNRS, Sorbonne, Paris, France.
- **McPhearson, Timon***. 2017. A SETS approach to Modeling Urban Futures.” Urban Resilience to Weather-related Extremes Sustainability Research Network (URExSRN), Scenarios Workshop, San Juan, Puerto Rico.
- **McPhearson, Timon***. 2017. “Drivers of and Solutions to Heat Impacts in NYC.” NYC Dept. of Health and Mental Health (DOHMH), New York, NY.
- **McPhearson, Timon***. 2016. “Urban systems, SDGs, and Big Data.” Quantified Planet, Keynote presentation, Presidio, San Francisco, CA.
- **McPhearson, Timon***. 2016. The NYC Team Update.” Urban Resilience to Weather-related Extremes Sustainability Research Network (URExSRN), Scenarios Workshop, Phoenix, AZ.
- **McPhearson, Timon***. 2016. “Urban Acceleration and Climate Resilience: Leveraging Ecosystems for Equity, Resilience, and Sustainability.” Oikos NYC, The New School, New York, NY.
- **McPhearson, Timon***. 2016. “Sustainapalooza: Introduction.” Sustainapalooza III, The New School, New York, NY.
- **McPhearson, Timon***. 2016. “The role of science in the New Urban Agenda.” UN Habitat III, HabitatXChange, Quito, Ecuador.
- **McPhearson, Timon***. 2016. “[Linking knowledge to policy](#): How can the scientific community contribute to the New Urban Agenda after Quito?” UN Habitat III, HabitatXChange, Quito, Ecuador.

- **McPhearson, Timon***. 2016. “Building Urban Resilience to Extreme Events: Lessons Across Cultures.” UN Habitat III, HabitatXChange, Quito, Ecuador.
- **McPhearson, Timon***. 2016. “Urban Planet: Book Launch.” UN Habitat III, HabitatXChange, Quito, Ecuador.
- **McPhearson, Timon***. 2016. “Nature-based solutions for cities: Leveraging urban ecosystems for improving equity, resilience, and sustainability.” EDF Alliance (Keynote), Columbia University, New York, NY.
- **McPhearson, Timon***, Taylor Drake, Chris Hepner, and Josh Snow. 2016. “Connect-the-Dots: Ecologically based designed solutions for network urban open space.” Parks Without Borders, The New School, New York, NY.
- Hamstead, Zoé and **Timon McPhearson**. 2016. “Using crime data for scientific analysis.” NYC Crime Map Data Round Table, The New School, New York, NY
- **McPhearson, Timon***. 2016. “Climate change resilience in NYC: Improving Social Equity, Resilience and Sustainability.” Board of Trustees, The New School, New York, NY.
- **McPhearson, Timon***. 2016. “Environmental Studies: Design and Ecology Research.” Lang Board of Governors, The New School, New York, NY.
- **McPhearson, Timon***, Taylor Drake, Chris Hepner, and Josh Snow. 2016. “Connect-the-Dots: Ecologically based designed solutions for network urban open space.” Tishman Environment and Design Center, The New School, New York, NY.
- **McPhearson, Timon***. 2016. “The value of urban ecosystems for improving equity, resilience, and sustainability.” Natural Areas Conservancy, Advisory Board, Nature Goals 2050, Columbia University, New York, NY.
- **McPhearson, Timon***. 2016. Urban resilience: Social, ecological, and infrastructural resilience to climate extremes in New York City,” for “Building resilience in complex urban systems,” Provost Office, Urban Environment Sustainability, The New School, New York, NY.
- **McPhearson, Timon***. 2016. “Nature-based solutions for cities: Leveraging urban ecosystems for improving equity, resilience, and sustainability.” Berlin KOSMOS Lecture (Keynote), Humboldt University, Berlin, Germany.
- **McPhearson, Timon***. 2016. “Urban system complexity: Classification of urban system structure for understanding function.” KOSMOS Workshop, Humboldt University, Berlin, Germany.
- **McPhearson, Timon***. 2016. “This changes everything” (panelist), The New School, New York, NY.
- **McPhearson, Timon*** and Zoé Hamstead*. 2016. “Social Media and other “Big Data” for Advancing a Systems Understanding of Benefits of Urban Green Space.” USDA Forest Service, NYC Dept of Parks & Recreation, Urban Field Station, Science of the Living City Seminar Series, New York, NY.
- **McPhearson, Timon***. 2015. “Nature-based solutions for cities: Leveraging urban ecosystems for improving equity, resilience, and sustainability.” New York University, New York, NY.
- **McPhearson, Timon***. 2015. “Modeling Urban Complexity: Ecosystem Services of Green Infrastructure in New York City.” NYC Dept. of Environmental Protection, New York, NY.
- **McPhearson, Timon***. 2015. “Ecology *Of* And *For* The City: Investing In Urban Nature For Resilience, Social Equity, And Livability.” Urban Nature Symposium, Finnish Cultural Institute, New York, The New School, New York, NY.
- **McPhearson, Timon***. 2015. “Building Urban Resilience in New York City”, National Science Foundation, Urban Resilience to Extreme Weather-related Events Sustainability Research Network (URExSRN) Project, New York City Kick-off, The New School, New York, NY.
- **McPhearson, Timon***. 2015. Nature-based Solutions in Cities: Leveraging Ecosystems for Improving Equity, Resilience, and Sustainability.” EDF Alliance, Columbia University, New York, NY.
- **McPhearson, Timon***. 2015. “Nature-based Solutions for Urban Climate Resilience in New York City.” New York City Mayor’s Office of Recovery and Resilience, Urban Heat Island Working Group, New York, NY.
- **McPhearson, Timon***. 2015. Ecosystem-based Adaptation to Climate Change in Cities.” Invited panelist at Launch of the Urban Climate Change Research Network (UCCRN) European Hub in partnership with the Centre National de la Recherche Scientifique, the Pierre and Marie Curie University, and l’Atelier International du Grand Paris, Paris, France, a side-event to the “Our Common Future Under Climate Change” part of the lead-up to COP21.

- **McPhearson, Timon***. 2015. "Natural capital in cities: A critical resource for improving equity, resilience, and sustainability." The Nature Conservancy, New York, New York.
- **McPhearson, Timon***. 2015. "Natural capital in cities: A critical resource for improving equity, resilience, and sustainability." Portland State University, Portland, Oregon.
- **McPhearson, Timon***. 2015. Urban Biodiversity and Ecosystem Services: Future Earth Urban Platform." Global Biodiversity Monitoring workshop, Future Earth, Yale University, New Haven, Connecticut.
- **McPhearson, Timon***. 2015. Moderator "Cities Under Siege: Climate Change Resilience", part of #EarthMatters: Designing Our Future, Tishman Environment and Design Center, The New School, New York, New York. http://events.newschool.edu/event/tedc_inaugural_earth_day_celebration#.VUzMDs7TnLg
- **McPhearson, Timon***. 2015. Opening Keynote "Natural Capital in Cities: A critical resource for improving equity, resilience, and sustainability." *Natural Capital Project* conference, Stanford University, Palo Alto, California.
- **McPhearson, Timon***. 2015. "Incorporating Ecosystems Into Urban Planning and Management for Equity, Resilience, and Sustainability." Environmental Studies program, Pace University, New York.
- **McPhearson, Timon***. 2015. Discussant, "The Lowline", Urban Studies and Environmental Studies, The New School, New York, New York.
- **McPhearson, Timon***. 2015. "Benefits of urban natural capital for human health and well-being," Future Earth Urban Platform workshop, National Center for Atmospheric Research (NCAR), Boulder, Colorado.
- **McPhearson, Timon***. 2015. "Incorporating Ecosystems Into Urban Planning for Equity, Resilience, and Sustainability." Lectures in Urban Planning Series (LiPS), Graduate School of Architecture, Planning, and Preservation (GSAPP), Columbia University, New York.
- **McPhearson, Timon***. 2015. Moderator, "Challenges in Balancing Conservation and Development in Eastern Himalaya, a Biodiversity Hotspot," India China Institute, The New School, New York, New York.
- **McPhearson, Timon***. 2015. "Bright Spots: Seeds of a Good Anthropocene." A research project of *Future Earth*, Stockholm, Sweden.
- **McPhearson, Timon***. 2015. "Future Earth and Future Urban Europe." Invited presentation to the *European Commission DG Research and Innovation*, with Belmont Forum, Biodiversa, and FP7 Projects, Brussels, Belgium.
- **McPhearson, Timon***. 2015. "Demonstrating the Values of Urban Nature in New York". Invited presentation to the URBES Project coordinated by *IUCN, Biodiversa, and European Commission DG Research and Innovation*, Brussels, Belgium.
- **McPhearson, Timon***. 2014. "Urban Ecology, Biodiversity, and Ecosystem Services." Second Assessment Report on Climate Change and Cities (ARC3-2) Workshop, *Urban Climate Change Research Network (UCCRN)*, London, UK.
- **McPhearson, Timon***. 2014. Mentor and presenter, "Urban Ecosystems and Biodiversity Conservation", *Student Conference on Conservation Science, American Museum of Natural History, Center for Biodiversity and Conservation*, New York, NY.
- **McPhearson, Timon***. 2014. "Livable, Equitable, Resilience Cities." Pop-Up Class, *Climate Action Week, People's Climate March*, Union Square GreenMarket, New York City.
- **McPhearson, Timon***. 2014. "Avoiding social-ecological system traps by accounting for both ecosystem services and disservices in cities." Karklő Workshop, Cornell University, Ithaca, NY.
- **McPhearson, Timon***. 2014. Invited participant, *Urban Sustainability Research Coordination Network* workshop, National Science Foundation, Arizona State University, Tempe, AZ.
- **McPhearson, Timon***. 2014. "Urban Ecology in the MillionTreesNYC Afforestation Project." Invited presentation to *NYC Department of Parks & Recreation, Natural Resources Group*, New York, NY.
- **McPhearson, Timon***. 2014. "A Social-Ecological Approach to ^[1]_{SEP} Urban Ecosystem Services and Resilience." Invited presentation to *Stockholm Resilience Center*, Stockholm University, Stockholm, Sweden.
- **McPhearson, Timon***. 2014. "Social-ecological Assessment and Non-Economic Valuation of Ecosystem Services in New York City." Invited presentation to *SESYNC Workshop*, ^[1]_{SEP} "Incorporating Values and Assessing Social and Environmental Trade-offs in Managing for Ecosystem Services," *SESYNC*, Annapolis, Maryland, http://nicholasinstitute.duke.edu/sites/default/files/sesync2_workshopsummary_v4.pdf

- **McPhearson, Timon***. 2014. "Ecosystem Services in New York City." Urban Biodiversity and Ecosystem Services (URBES) Annual Meeting. The New School, New York, NY.
- **McPhearson, Timon***. 2014. "The Value of Urban Ecosystems." *Urban InVEST Workshop* with Stockholm Resilience Center, Beijer Institute of Ecological Economics, Stanford University, and The Natural Capital Project, Stockholm, Sweden. June, 2014.
- **McPhearson, Timon***. 2013. "The Ecological Benefits of Urban Vacant Lots." GrowNYC Pop-Up Class, Union Square GreenMarket, New York City. <http://www.grownyc.org/newgreencity/schedule>
- **McPhearson, Timon***. 2013. "Ecology in and Ecology Of New York City: Vacant Lots, Urban Afforestation, and Ecosystem Services", *Keynote lecture, Cary Institute of Ecosystem Studies*, Millbrook, NY. <http://themillbrookindependent.com/content/ecology-3>
- **McPhearson, Timon***. 2013. "Vacant Lots in New York City: Social-Ecological Assessment, SMCA, and Ecosystem Services Valuation," Invited lecture to *Local Code 2.0*, College of Environmental Design, University of California Berkeley, Berkeley, CA.
- **McPhearson, Timon***. 2013. Invited participant to *Urbanization, Biodiversity and Ecosystem Services*, URBES Research Workshop, Universitat Autònoma de Barcelona, Barcelona, Spain.
- **McPhearson, Timon***. 2013. Invited lecturer and panelist, "Urban Biodiversity, Ecosystem Services, and Land Use: Managing Urban Nature for Human Health and Well-being in New York City", *1st URBES Training session: Monetary and non-monetary valuation of urban biodiversity and ecosystem services*, hosted by ICLEI and IUCN, Pati Manning, Barcelona, Spain.
- **McPhearson, Timon***. 2013. Invited participant and author for *Urban Climate Change Research Network (UCCRN)*, "2nd Assessment Report on Climate Change and Cities (ARC3-2)", Columbia University, New York, NY.
- **McPhearson, Timon***. 2013. Invited lecture and participant to *Degradation and Loss of Peri-Urban Ecosystems*, Rockefeller Foundation, New York, NY.
- **McPhearson, Timon***. 2013. Invited lecturer and panelist, "The need for systems approaches to conserve and manage urban ecosystems" for *The Next Big Questions in Urban Conservation Biology*, American Museum of Natural History, Center for Biodiversity and Conservation, New York, NY.
- **McPhearson, Timon***. 2013. Invited lecture, "Invasive, Exotics, and Diversity in Urban Ecology", to *Low Residency MFA program*, TransART Institute, Berlin, Germany.
- **McPhearson, Timon***. 2013. Invited presentation, "The Nature of Cities: Vacant lots as opportunities for social-ecological transformation and resilience in cities," *Summit for New York City, Municipal Arts Society*, Lincoln Center, New York, NY.
- **McPhearson, Timon***. 2013. Invited participant, *Conceptual Models Working Group, Urban Sustainability Research Coordination Network*, National Science Foundation, North Carolina State University, Raleigh, NC.
- **McPhearson, Timon***. 2013. "The URBIS Designation Process: What is it all about?" Invited presentation to the URBIS Webinar, *Urban Biosphere Initiative (URBIS)*, ICLEI Local Governments for Sustainability, IUCN, and Stockholm Resilience Center.
- **McPhearson, Timon***. 2013. Invited participant to *Urbanization, Biodiversity and Ecosystem Services*, URBES 2nd Annual Meeting, Technical University Of Munich, Munich, Germany.
- **McPhearson, Timon***. 2013. "Natural Capital: Ecosystem Services Comes of Age." Invited lecture to Teacher Renewal for Urban Science Teaching (TRUST), *Summer Institute on Evolution, Ecology, and Biodiversity*, American Museum of Natural History, Gottesman Center for Science Teaching and Learning, New York City, NY.
- **McPhearson, Timon***. 2013. "Identifying Hotspots for Social-Ecological Transformation: The Case of New York City Vacant Lots and Green Infrastructure." Invited presentation to *The Ecology of New York City: Organisms, Environment, and History*, Department of Ecology, Evolution, and Environmental Biology, Columbia University, New York City, NY.
- **McPhearson, Timon***. 2013. "Urban green space and health." Invited panelist and moderator, *A Mini-Conference on "Research to Policy"*, Population Research Center, Columbia University, School of Social Work, New York City, NY.

- **McPhearson, Timon***. 2013. Invited participant, *Transdisciplinary research for governance of social-ecological systems*, Beijer Institute of Ecological Economics, Royal Swedish Academy of Sciences, Stockholm, Sweden.
- **McPhearson, Timon***. 2013. Invited participant, *Positive resource dependency and resilience in urban systems*, Karklö Island Workshop, Stockholm Resilience Center, Stockholm, Sweden.
- **McPhearson, Timon*** and Zoé Hamstead. 2013. “A Social-ecological Systems Approach to Improving Policy and Planning for Urban Resilience in New York City.” Invited lecture to *Milano The New School for Management and Urban Policy*, New York City, NY.
- **McPhearson, Timon***. 2012. Invited participant to High-level workshop on *Natural Solutions for Urban Areas in Europe*, European Parliament Intergroups: Climate Change, Biodiversity and Sustainable Development and Urban, European Parliament, Brussels, Belgium.
- **McPhearson, Timon***. 2012. “InVEST Modeling for Urban Ecosystem Services Valuation.” Invited presentation to the URBES 1st Research Workshop, *Urban Ecosystem Services: Linking knowledge to governance and practice*, Dutch Research Institute for Transitions (DRIFT), Erasmus University, Rotterdam, The Netherlands.
- **McPhearson, Timon***, Peleg Kremer, and Zoé Hamstead. 2012. “Biodiversity and Ecosystem Services in the New York Social-Ecological System.” Invited presentation to the URBES 1st Research Workshop, *Urban Ecosystem Services: Linking knowledge to governance and practice*, Dutch Research Institute for Transitions (DRIFT), Erasmus University, Rotterdam, The Netherlands.
- **McPhearson, Timon***. 2012. “Benefits of Vacant Lots for Human Well-being.” Invited public lecture to *New Green City*, GrowNYC, Union Square New York, NY.
- **McPhearson, Timon***. 2012. “Stacking Urban Ecosystem Services of Green Infrastructure in the New York City Social-Ecological System.” Invited Lecture to *Center for Urban Eco-Planning & Design*, Fudan University, Shanghai, China.
- **McPhearson, Timon** and Peleg Kremer*. 2012. “Socio-ecological value profiles of urban landscapes.” *Urban Nature Forum*, ICLEI (Local Governments for Sustainability), Belo Horizonte, Brazil.
- **McPhearson, Timon***. 2012. “An Ecological Approach to Improving Resilience and Sustainability in New York City.” Invited Lecture to the *Urban Ecology Lecture Series*, Gowanus Canal Conservancy, Brooklyn, NY.
- **McPhearson, Timon*** and Peleg Kremer. 2012. “Social-Ecological Non-Economic Valuation of Urban Green Infrastructure in The New York City Ecosystem.” Invited speaker to the *Urban Biosphere (URBIS) Initiative* Jerusalem meeting, sponsored by the Jerusalem Mayor’s Office of Jerusalem, ICLEI (Local Governments for Sustainability) LAB (Local Action for Biodiversity) (an ICLEI - IUCN Programme), and the Dead Sea Drainage Authority, Jerusalem, Israel.
- **McPhearson, Timon** and Peleg Kremer*. 2012. *Mapping Ecosystem Services in New York City*. Invited speaker to the Urban Biosphere (URBIS) Initiative Jerusalem meeting, sponsored by the Jerusalem Mayor’s Office of Jerusalem, ICLEI (Local Governments for Sustainability) LAB (Local Action for Biodiversity) (an ICLEI - IUCN Programme), and the Dead Sea Drainage Authority, Jerusalem, Israel.
- Palmer, Matthew*, Marielle Anzelone, Richard Karty, and Sanpisa Sritraitat, Myla Aronson, Alex Felson, and **Timon McPhearson**. 2012. *Vegetation Change Following Urban Tree Planting: Early Results from the MillionTreesNYC Reforestation Program*. Invited Lecture to the NYC Department of Parks & Recreation Natural Resources Group, New York, NY.
- **McPhearson, Timon***, Peleg Kremer, and Zoé Hamstead. 2012. *Non-Economic Valuation of Urban Ecosystem Services in The New York City Social-Ecological System*. Invited Lecture to the Urban Biodiversity and Ecosystem Services (URBES) Meeting, sponsored by the Stockholm Resilience Center and the Beijer Institute for Ecological Economics, Stockholm, Sweden.
- **McPhearson, Timon***, Peleg Kremer, and Zoé Hamstead. 2011. *The New York City Social-Ecological System: An Urban Biosphere Approach to Ecosystem Service Assessment*. Invited Lecture to the Urban Biosphere (URBIS) Initiative New York Workshop, sponsored by ICLEI (Local Governments for Sustainability), UNESCO, and the Stockholm Resilience Center, United Nations, New York, NY.

RECENT/SELECTED CONFERENCE PAPERS (*presenter)

- Chingwen Cheng, Parisa Setayesh, William Solecki, Heejun Chang, Marta Berbés-Blázquez, Cliff Davidson, Changdeok Gim, School of Humanities, Robert Hobbins, David M. Iwaniec, Yeowon Kim, **Timon McPhearson**, Tischa A. Muñoz-Erickson, Bernice Rosenzweig, Tiffany Troxler. 2021. Hazards, Risks, and Disasters: VGI & Risk Perception. American Association of Geographers Annual Meeting.
- Herreros-Cantis, P. and **McPhearson, T.** 2021. Applying a Source-to-Impact flood risk assessment to identify priority areas for green infrastructure interventions in a sewershed in Syracuse, NY. American Association of Geographers Annual Meeting.
- A. Mustafa, L. Ortiz, P. Herreros, D.M. Iwaniec, E. M. Cook, M. Matsler, B. Rosenzweig, P. Groffman, M. Grove, C. Welty, E. Rosi, and **T. McPhearson**. 2020. “Multi-hazard analysis of co-produced land use scenarios in Central Maryland.” Baltimore Ecosystem Study, Annual Meeting.
- Steward T.A. Pickett, Weiqi Zhou, **Timon McPhearson**. “Key Contributions of BES to Urban Social-Ecological Theory.” 2020. Baltimore Ecosystem Study, Annual Meeting.
- Nancy Grimm, **Timon McPhearson**, Elizabeth Cook, and Yeowon Kim. 2020. “Visioning for a network of networks facing future challenges with nature-based solutions” Ecological Society of America, Annual Conference.
- **Timon McPhearson**, Elizabeth Cook, Nancy Grimm, Marta Berbés-Blázquez, and Chingwen Cheng. 2020. “A SETS approach to urban nature-based solutions.” Ecological Society of America, Annual Conference.
- Zbigniew Grabowski, **Timon McPhearson**, and Steward Pickett. 2020. “Deep dives on equity in US green infrastructure planning.” Ecological Society of America Conference.
- Heejun Chang, Arun Pallathadka, Jason Sauer, Rae Zimmerman, Ryan Brenner, Chingwen Cheng, Nancy Grimm, David Iwaniec, Yeowon Kim, Robert Lloyd, **Timon McPhearson**, Bernice Rosenzweig, Tiffany Troxler, Claire Welty. 2020. “Understanding Urban Flooding Vulnerability through a Social-Ecological-Technological Systems (SETS) lens.” 45th Annual Natural Hazards Research and Applications Workshop, Natural Hazards Center. University of Colorado at Boulder.
- Luis Ortiz and **Timon McPhearson**. Overlapping Vulnerability to Extreme Heat and COVID-19 in New York City. 2020. American Geophysical Union Annual Meeting.
- Luis Ortiz, Ahmed Mustafa, Rocio Carrero, Elizabeth Cook, David Iwaniec, Tischa Muñoz-Erickson, Pablo Méndez-lázaro, **Timon McPhearson**. 2020. “Combined Climate–Land Change Driven Impacts from Co-produced Land Cover Scenarios in San Juan, Puerto Rico.” The 100th American Meteorological Society Annual Meeting.
- Ahmed Mustafa and Timon McPhearson. 2020. “Future Resilient Land-Use Visions for Valdivia, Chile.” The 100th American Meteorological Society Annual Meeting.
- M. Hirye, F.H. Wagner, **Timon McPhearson**, A.S. Filardo Jr, D.S. Alves Sr. 2019. “Urban Landslides in Social-Ecological-Technological Systems: the case of São Paulo Metropolitan Region.” American Geophysical Union.
- Bernice Rosenzweig, Claire Welty, Jason R Sauer, Lauren E McPhillips, Christa Kelleher, **Timon McPhearson**. 2019. “Case studies of cloudbursts and ultra-urban floods: a socio-eco-technical assessment of pluvial flooding events in Baltimore and New York City.” AGU Annual Meeting, San Francisco, California.
- Iwaniec, David, Elizabeth Cook, Marta Berbes, Nancy B Grimm, **Timon McPhearson**, Lelani Mannetti, Tischa Munoz-Erickson. 2019. “Positive Futures for Transformative Change.” AGU Annual Meeting, San Francisco, California.
- Iwaniec, David, Marta Berbes, Elizabeth Cook, Nancy Grimm, Lelani Mannetti, **Timon McPhearson**, Tischa Muñoz-Erickson. “Positive Futures of Urban Transformation.” Transformations 2019, Santiago, Chile.
- Grimm, Nancy, B., Marta Berbés Blasquez, Mikhail Chester, Elizabeth Cook, David Iwaniec, **Timon McPhearson**, Tischa Muñoz-Erickson, and Charles Redman. 2019. “Urban resilience to extreme events: framing cities and their infrastructure as social-ecological-technological systems (SETS).” Transformations 2019, Santiago, Chile.

- Cook, Elizabeth, Iwaniec, David, Marta Berbes, Nancy Grimm, Lelani Mannetti, **Timon McPhearson**, Tischa Muñoz-Erickson. 2019. “Transformative co-produced visions for future urban sustainability and resilience.” Transformations 2019, Santiago, Chile.
- Herreros-Cantis*, Pablo and **Timon McPhearson**. 2019. “Distributional Justice of NYC’s Urban Ecosystem Services: Analyzing the Mismatches in Supply and Demand.” Mapping (In)Justice, Fordham University, New York, New York.
- **McPhearson, Timon***. 2019. “Mapping and Modeling Green Roof Benefits”. The State of Green Roofs in NYC, Green Roof Researchers Alliance, New York, New York.
- Ilieva, Rositsa* and **Timon McPhearson**. 2019. “Social equity and green roofs in New York City.” The State of Green Roofs in NYC, Green Roof Researchers Alliance, New York, New York.
- Herreros-Cantis*, Pablo and **Timon McPhearson**. 2019. “Mapping benefits of green roofs in NYC.” The State of Green Roofs in NYC, Green Roof Researchers Alliance, New York, New York.
- Cook, Elizabeth, Marta Berbés-Blázquez, Rocio Carrero, Nancy Grimm, David Iwaniec, **Timon McPhearson**, Pablo Mendez-Lazaro, Tischa Muñoz-Erickson, Ahmed Mustafa, Luis Ortiz, Jenniffer Santos-Hernández. 2019. “The future of San Juan, Puerto Rico: Assessing tradeoffs of co-developed future visions for a resilient San Juan.” Ecological Society of America, Annual Meeting, Louisville, Kentucky.
- Mustafa, Ahmed, Elizabeth M. Cook, **Timon McPhearson**, Olga Barbosa, Tischa Munoz-Erickson, M. Marta Berbés-Blázquez, Nancy B. Grimm, David M. Iwaniec. 2019. “Future Resilient Land-Use Visions for Valdivia, Chile.” American Meteorological Society, Annual Meeting, Boston, Massachusetts.
- Ortiz, L.R. Pokhrel, A. Mustafa, **T. McPhearson**, Jorge Gonzalez, E. M. Cook, D. Iwaniec, T. Muñoz-Erickson, P. Mendez-Lazaro. 2019. “Surface energy balance change in co-produced land cover scenarios for San Juan, PR.” American Meteorological Society, Annual Meeting, Boston, Massachusetts.
- **McPhearson, Timon**, Michael Treglia, and Rositsa Ilieva. 2019. “Mapping Supply and Demand of Green Roofs in New York City.” New York State Department of Environmental Conservation (NY DEC) Regional Conservation Action Plan (ReCAP) Annual Meeting. New York, NY.
- **McPhearson, Timon**. 2019. “Including diverse voices in urban adaptation planning.” The Nature of Cities Summit, Paris, France.
- **McPhearson, Timon**. 2019. Visualizing Green Roofs and Social Equity in New York City.” New York Department of Environmental Conservation, RECAP conference, New York, New York.
- **McPhearson, Timon**. 2019. “NYC Stormwater Resilience.” Urban Resilience to Weather-related Extremes Sustainability Research Network, All Hands Meeting, Baltimore, MD
- **McPhearson, Timon**. 2019. “Codesigning Positive Urban Futures: The UREx Approach.” Natural Capital Project Symposium, Stanford University, Palo Alto, CA.
- **McPhearson, Timon**, Elizabeth Cook, Daniel Sauter, Claudia Tomateo, Jennifer Cherrier, Brianne Smith, Firas Saleh, Brian Colle, Philip Orton, and Mazdak Arabi. 2019. “NYC Stormwater Risk and Resilience.” UREx Sustainability Research Network, All Hands Meeting, Baltimore, MD
- **McPhearson, Timon**. 2019. “Social, ecological, and technological contexts impact urban nature-based solutions.” UREx Sustainability Research Network, All Hands Meeting, Baltimore, MD
- **McPhearson, Timon**. 2019. “Projecting future heat and heat risk in cities.” UREx Sustainability Research Network, All Hands Meeting, Baltimore, MD
- Balogh, Stephen, Ariel Lugo, Tischa Muñoz-Erickson, David Iwaniec, **Timon McPhearson**. 2019. “Energy cost and energy return on investment (EROI) for stakeholder developed pathways to resilience, sustainability cities.” UREx Sustainability Research Network, All Hands Meeting, Baltimore, MD
- Ortiz, Luis, Rocio Carrero, Elizabeth Cook, Ahmed Mustafa, **Timon McPhearson**, Zoe Hamstead, and Chris Wyczalkowski. 2019. “Projecting heat and flood vulnerability across climate and stakeholder scenarios in San Juan, Puerto Rico.” UREx Sustainability Research Network, All Hands Meeting, Baltimore, MD
- Mannetti, Leilani, Marta Berbes, Elizabeth Cook, Nancy Grimm, David Iwaniec, **Timon McPhearson**, Pablo Méndez Lazaro, Tischa Muñoz-Erickson, Luis Ortiz, and Jennifer Santos Hernández. 2019. “Scenarios Workshop II: San Juan,” UREx Sustainability Research Network, All Hands Meeting, Baltimore, MD

- Grabowski, Zbigniew J. Peter C. Sigrist, **Timon McPhearson**, Steward T. A. Pickett. 2019. “Green Infrastructure as Universal Good? Comparing Equity in Green Infrastructure Planning in US Cities.” American Association of Geographers, Annual Meeting, Washington D.C.
- **McPhearson***, **Timon** and Pablo Herreros-Cantis. 2018. “The spatial distribution of climate risk and nature-based solutions in New York City.” International Forum on Urbanism (IFoU) 2018, Beyond re-naturing cities: Integrating social justice and health equity in urban greening, IUCN, ICLEI, Barcelona, Spain.
- M. Hirye, F.H. Wagner, **Timon McPhearson**, A.S. Filardo Jr, D.S. Alves Sr. 2018. “Demographic, Economic and Physical Data Integration: Measuring Hillside's Urban Occupation in Metropolitan Region of São Paulo (Brazil).” American Geophysical Union.
- Muñoz-Erickson*, Tischa, David M. Iwaniec, **Timon McPhearson**, Nancy B. Grimm, Elizabeth M. Cook, Rocio Carrero Gomez. “Co-Producing Urban Resilience to Extreme Events.” International Forum on Urbanism (IFoU) 2018, Reframing Urban Resilience Implementation: Aligning Sustainability and Resilience, Barcelona, Spain
- Iwaniec,* David, Marta Berbes, Elizabeth M. Cook, Melissa Davidson, Nancy B. Grimm, **Timon McPhearson**, Tischa Muñoz-Erickson. “Positive Futures.” International Forum on Urbanism (IFoU) 2018, Reframing Urban Resilience Implementation: Aligning Sustainability and Resilience, Barcelona, Spain
- **McPhearson***, **Timon** and Rocio Carrero Gomez. 2018. “Modeling Resilient Urban Futures,” Reframing Urban Resilience Implementation: Aligning Sustainability and Resilience, 11th Annual Forum of Urbanism (IFoU), with Universitat Internacional de Catalunya (UIC), the Urban Resilience research Network (URN) and the UN Habitat City Resilience Profiling Program, Barcelona, Spain.
- Cook, Elizabeth*, Marta Berbes, Melissa Davidson, Nancy Grimm, David Iwaniec, **Timon McPhearson**, Tischa Muñoz-Erickson. 2018. “Co-development of positive visions for future urban sustainability and resilience.” International Forum on Urbanism (IFoU) 2018, Reframing Urban Resilience Implementation: Aligning Sustainability and Resilience, Barcelona, Spain
- Grimm, Nancy B*, Marta Berbés Blasquez, Mikhail V Chester, Elizabeth M Cook, Peter M Groffman, David M Iwaniec, **Timon McPhearson**, Thaddeus Miller, Tischa Muñoz-Erickson, Charles L Redman. 2018. “A social-ecological-technical systems approach to understanding urban complexity and building climate resilience.” International Forum on Urbanism (IFoU) 2018, Reframing Urban Resilience Implementation: Aligning Sustainability and Resilience, Barcelona, Spain.
- **McPhearson**, **Timon**, Marta Berbes, Rocio Carrero, Elizabeth Cook, Yaella Depietri, Khila Dahal, Carson Farmer, Nancy Grimm, Zoé Hamstead, David Iwaniec, Tischa Munoz-Erickson, Jaskirat Randhawa, Daniel Sauter, Chris Wyczalkowski. 2018. “Resilient Urban Futures: Modeling Co-designed Transformation Scenarios to Climate Driven Extreme Events.” *Ecological Society of America*, Annual Meeting, New Orleans, LA.
- **McPhearson**, **Timon**. 2018. “Using the potential of nature to create greener, healthier and more inclusive cities.” ICLEI World Congress, Montreal, Canada.
- Treglia*, Mike, **Timon McPhearson**, Eric W. Sanderson, Greg Yetman, Emily Nobel Maxwell. 2018. “Greenspaces over our heads: Mapping green roofs and understanding their benefits in NYC.” The State of Green Roofs in NYC, Green Roof Researchers Alliance, 1st Annual Conference, The New School, NY.
- Ilieva, Rositsa and **Timon McPhearson**. 2018. Green roofs for whom: exploring the spatial distribution of green roofs and their social-ecological benefits in New York City.” The State of Green Roofs in NYC, Green Roof Researchers Alliance, 1st Annual Conference, The New School, NY.
- Aucher Serr, Daniel Sauter, and **Timon McPhearson**. 2018. “Envisioning a new urban jungle.” The State of Green Roofs in NYC, Green Roof Researchers Alliance, 1st Annual Conference, The New School, NY.
- **McPhearson**, **Timon**, Rocio Carrero, Yaella Depietri, Khila Dahal, Zoé Hamstead, Jaskirat Randhawa, Daniel Sauter, and Carson Farmer. “A social-ecological-technological systems approach to modeling future heat and heat vulnerability in New York City.” 2018. American Association of Geographers (AAG), annual meeting, New Orleans, LA.
- Hamstead, Zoé, David Fisher, Rositsa Ilieva, Spencer A. Wood, **Timon McPhearson**, and Peleg Kremer. 2018. “Geolocated social media as a rapid indicator of park visitation and equitable park access.” 2018. American Association of Geographers (AAG), annual meeting, New Orleans, LA.

- Iwaniec, David, Elizabeth Cook, Marte Berbes-Blázquez, Melissa Davidson, Nancy Grimm, **Timon McPhearson**, and Tischa Muñoz-Erickson. “Positive futures.” 2018. American Association of Geographers (AAG), annual meeting, New Orleans, LA.
- Treglia*, Mike, **Timon McPhearson**, Eric W. Sanderson, Greg Yetman, Emily Nobel Maxwell. 2018. “Greenspaces over our heads: Mapping green roofs and understanding their benefits in NYC.” International Association for Landscape Ecology (IALE), annual meeting, Chicago, IL.
- **McPhearson, Timon***. 2018. “Projecting Future Heat and Heat Risk In The City.” UREx SRN, All hands meeting, Phoenix, AZ.
- **McPhearson, Timon***. 2018. “Towards Science Of Cities: Nature-Based Solutions To Climate Driven Extreme Events.” IPCC Cities & Climate Change Science Conference, Edmonton, Canada.
- **McPhearson, Timon***. 2017. “Urban Sustainability Transformations In The Context Of Climate-Driven Extreme Events In Us And Latin America.” Programme on Ecosystem Change and Society, Open Science Conference, Oaxaca, Mexico.
- McPhillips, Lauren, Chingwen Cheng, **Timon McPhearson***, and Nancy Grimm. 2017. “Cross-city spatial comparison of green infrastructure distribution in US & Latin American cities.” Programme on Ecosystem Change and Society, Open Science Conference, Oaxaca, Mexico.
- **McPhearson, Timon***. 2017. “Social-ecological-technical context of urban ecosystem services as filters for improving production and access.” Programme on Ecosystem Change and Society, Open Science Conference, Oaxaca, Mexico.
- Troxler*, Tiffany, Matt Smith, Claudio Salazar Thomas Spiegelhalter, Marilyns Nepomechie, Evelyn Gaiser, John Kominoski, Rinku Roy-Chowhury, Kevin Grove, **Timon McPhearson**, Tischa Munoz-Erickson, Matt Feagan, and Bernice Rosenzweig. 2017. “Socio-ecological-technological system approaches for coastal urban resilience to extreme flooding.” Coastal and Estuarine Research Federation: Integrating design thinking to envision future coasts, Rhode Island, CT.
- **McPhearson, Timon***, Carson Famer, Khila Dahal, Yaella Depietri, Zoé Hamstead, Jaskirat Randhawa, Daniel Sauter. 2017. “A social-ecological-technical systems approach to modeling future scenarios of heat and heat vulnerability in New York City,” Baltimore Ecosystem Study, LTER Annual Meeting, Baltimore, MD.
- Elmqvist*, Thomas, Erika Hermansson Török*, **Timon McPhearson***. 2017. “Urban tinkering.” 7th International Sustainability Science Conference, Stockholm, Sweden.
- **McPhearson, Timon***, Thomas Elmqvist, Erik Andersson, Niki Frantzeskaki, Carl Folke,
- Per Olsson, and Kazuhiko Takeuchi. 2017. “Resilience and Sustainability Differ: Trade-Offs to Achieving Transformation.” Resilience 2017, Stockholm, Sweden.
- **McPhearson, Timon***, Elizabeth Cook, Chingwen Cheng, Nancy Grimm, and David Iwaniec. 2017. “Climate Resilience in Urban Systems: A Social-ecological-technical Systems (SETS) Approach to Urban Ecosystem Services.” Resilience 2017, Stockholm, Sweden.
- **McPhearson, Timon*** and Yaella Depietri. 2017. “The Challenge of Climate Resilience In New York City: 140 Years of Climate Hazards And Current Multi-Hazard Risk.” Resilience 2017, Stockholm, Sweden.
- **McPhearson, Timon***. 2017. “Building Resilience in New York City: Lessons and Progress Since Hurricane Sandy.” Session chair and moderator, Resilience 2017, Stockholm, Sweden.
- **McPhearson, Timon***, Nancy Grimm*, and Charles Redman. 2017. “Co-producing urban resilience to extreme events.” Session co-chair and moderator, Resilience 2017, Stockholm, Sweden.
- Depietri, Yaella* and **Timon McPhearson***. 2017. “The Hazardscape of New York City: 140 years of hydro-Meteorological hazards affecting Infrastructure.” Infrastructure Conference, New York University, Paris, France.
- Grimm*, Nancy B., Marta Berbés, Chingwen Cheng, Elizabeth Cook, **Timon McPhearson**, Lauren McPhillips. 2017. “Assessing urban aquatic services in the face of climate-driven extreme events.” Ecology Society of America, Annual conference, Portland, OR.
- Depietri, Yaella*, **Timon McPhearson**, and Khila Dahal. 2017. “Multi-hazard risk assessment in a coastal megacity: Identifying hotspots for ecosystem-based climate adaptation in New York City.” Association of American Geographers, Annual Conference, Boston, MA.

- Bernice Rosenzweig, **Timon McPhearson**, Emma J. Rosi. 2017. "Beyond the floodplain: Drivers of flood risk in coastal cities." American Geophysical Union, New Orleans, LA.
- Depietri, Yaella*, and **Timon McPhearson***. 2017. "The Hazardscape of New York City: 140 years of hydro-meteorological hazards affecting infrastructures in the city". Interdisciplinary Perspectives on Urban Infrastructure History and the Social Sciences, New York University, Paris, France.
- Romero-Lankao, Paty*, Debra Davidson, and **Timon McPhearson**. 2016. [Urbanization, Extreme Climate Hazards and Food, Energy Water Security](#), American Geophysical Union, Fall General Assembly, Boston, MA.
- Donahue, Marie*, Bonnie L. Keeler, Spencer A. Wood, David Fisher, Zoé A. Hamstead, **Timon McPhearson**. 2016. "Using social media to Assess urban park visitation and Recreation Services." ACES Annual Conference, Florida.
- Hamstead, Zoé*, Carson Farmer, and **Timon McPhearson**. 2016. Using remote sensing and social data to link heat exposure and susceptibility in New York City, Association of American Geographers (AAG) Annual Meeting, San Francisco, CA.
- Hölscher, Katharina*, Niki Frantzeskaki, **Timon McPhearson**, Derk Loorbach. 2016. "Tackling high-end climate change as transformation challenge: capacities for transformative climate governance in New York City", Urban Transitions Global Summit, Shanghai, China.
- Hölscher, Katharina*, Niki Frantzeskaki, **Timon McPhearson**, Derk Loorbach. 2016. "Capacities for transformative climate governance in New York City", INOGOV workshop on 'Innovative urban governance for mitigation and adaptation: Mapping, exploring and interrogating,' Amsterdam, The Netherlands.
- Hölscher, Katharina*, Niki Frantzeskaki, **Timon McPhearson**, and Derk Loorbach. 2016. "Capacities for transformative climate governance in Rotterdam and New York City." Adaptation Futures Conference, Rotterdam, the Netherlands.
- Hamstead, Zoé*, **Timon McPhearson**, Carson Farmer and Aurash Khawarзад. January, 2016. Resilience & vulnerability to heat waves in New York City: Exposure, susceptibility and coping capacities. 1st Annual National Science Foundation Urban Resilience to Extremes Sustainable Research Network Meeting. Arizona State University, Tempe, Arizona, USA.
- Grimm, Nancy B.*, Charles L. Redman, Mikhael Chester, David Iwaniec, **Timon McPhearson**, Thaddeus Miller, and Tischa Muñoz-Erickson. 2015. Developing a concept of social-ecological-technological systems to characterize resilience of urban areas and infrastructure to extreme events. Complex Systems Symposium, Tempe, AZ.
- Hamstead, Zoé*, Carson Farmer, and **Timon McPhearson**. 2015. "A framework for linking complexity science, urban ecology and environmental justice." Complex Systems Society (CCS), Annual Meeting, Phoenix, AZ.
- Bennett, Elena*, Reinette (Oonsie) Biggs, **Timon McPhearson**, Albert Norström, Ciara Raudsepp-Hearne, Laura Pereira, Garry Peterson, Rika Preiser, Joost Vervoort. 2015. "Seeds of a Good Anthropocene." Programme on Ecosystem Change and Society, Stellenbosch, South Africa.
- **McPhearson, Timon***. 2015. "Urban resilience: Linking species richness and traits for assessing ecological resilience." Programme on Ecosystem Change and Society, Stellenbosch, South Africa.
- **McPhearson, Timon***, Erik Andersson, Julie Goodness, Zoé Hamstead, and Thomas Elmqvist. 2015. "Urban Ecosystem Services Session (B8): Approaches, tools and Frameworks for dealing with urban complexity." Ecosystem Services Partnership, Urban Biome Expert Group, Stellenbosch, South Africa.
- **McPhearson, Timon***. 2015. "Complex Urban Systems: Modeling Urban Ecosystems for Improving Livability, Sustainability, and Resilience." Ecosystem Services Partnership, Urban Biome Expert Group, Stellenbosch, South Africa.
- Chester, Mikhael*, Nancy Grimm, Charles Redman, Thaddeus Miller, **Timon McPhearson**, Tischa Muñoz-Erickson, and David Chandler. 2015. "Urban Resilience to Extreme Events: UREx Sustainability Research Network." American Geophysical Union, San Francisco, CA.
- Chester, Mikhael V*, Nancy B Grimm, Charles Redman, Thaddeus Miller, **Timon McPhearson**, Tischa Muñoz-Erickson, and David G Chandler. 2015. "Developing a concept of social-ecological-technological systems to characterize resilience of urban areas and infrastructure to extreme events." American Geophysical Union Fall Meeting, San Francisco, CA.

- **McPhearson, Timon***. 2015. "Urban Ecosystem Services for Livability, Equity, Resilience, and Sustainability." Ecological Society of America, Annual Meeting, Baltimore, MD.
- Grimm, Nancy*, Charles L. Redman, Mikhail Chester, David Iwaniec, **Timon McPhearson**, Thaddeus Miller, and Tischa Muñoz-Erickson. 2015. "Developing a concept of social-ecological-technological systems to characterize resilience of urban areas and infrastructure to extreme events." Ecological Society of America, Annual Meeting, Baltimore, MD.
- Hamstead, Zoé*, Peleg Kremer, **Timon McPhearson**. 2015. "Advancing Ecosystem Services Assessment for Urban Planning." Ecological Society of America, Annual Meeting, Baltimore, MD.
- Muñoz-Erickson, T.A.* , N. B. Grimm, C. L. Redman, M. V. Chester, D. Iwaniec, **T. McPhearson**, and T. R. Miller. 2015. "Urban Resilience to Extremes: A Sustainability Research Network on Social-Ecological-Technological Systems", *Earth Systems Governance*, Canberra, Australia.
- Grimm, N.B.* , C. L. Redman, M. V. Chester, D. Iwaniec, **T. McPhearson**, T. R. Miller, and T. A. Muñoz-Erickson. 2015. "Urban Resilience to Extremes: A Proposed Sustainability Research Network," *Central Arizona-Phoenix (CAP) Long-term Ecological Research (LTER) Project Annual Meeting*, Phoenix, Arizona.
- **McPhearson, Timon***. 2014. "Taking Advantage of BIG DATA and the Internet of Things to Advance the Social-Ecological Study of Urban System Complexity," *Urban Transitions and Transformations: Science, Synthesis, and Policy, 2nd International Urbanization and Global Environmental Change (UGEC) Conference*, Taipei, Taiwan.
- Hamstead, Zoé*, Peleg Kremer, **Timon McPhearson**, Neele Larondelle, and Dagmar Haase. 2014. "Decision-support tools for ecosystem services: developing generalizable approaches." *Ecosystem Services Partnership, 7th Annual Meeting*, San Jose, Costa Rica.
- Hamstead, Zoé*, Peleg Kremer, Neele Larondelle, **Timon McPhearson**, and Dagmar Haase. September, 2014. "Urban structure classification for ecosystem services" *Ecosystem Services Partnership, 7th Annual Meeting*, San Jose, Costa Rica.
- **McPhearson, Timon***. 2014. "Avoiding traps by accounting for the social-ecological generation of both ecosystem services and disservices." Invited presentation for session: "Tips or Traps? Advancing understanding to steer clear of impoverishment traps and Tipping points." *Resilience 2014*, Montpellier, France.
- **McPhearson, Timon***. 2014. "Resilience Of and Through Urban Ecosystem." Invited presentation for session: "Transformative capacities and urban ecologies at the forefront of resilience and sustainability – challenges and opportunities in urban planning." *Resilience 2014*, Montpellier, France.
- Kremer, Peleg*, **Timon McPhearson**, Zoé Hamstead. 2014. "Ecosystem Services in the New York City Social-ecological System: Multi-criteria analysis, tradeoffs and synergies." *Resilience 2014*, Montpellier, France.
- Hamstead, Zoé*, Peleg Kremer, and **Timon McPhearson**. 2014. "A classification for comparative urban ecology and resilient urban design." Invited presentation to panel "The Anthropocene and the Urban Challenge: Social-Ecological Research and Practice in New York City." *Association for Environmental Studies and Science*, Annual Meeting, New York City, NY.
- **Timon McPhearson**, Peleg Kremer*, and Zoé Hamstead*. 2013. "Urban Ecosystem Services and Social-Ecological Research in New York City," *Yale Urban Ecosystem Services Symposium*, Yale Hixon Center for Urban Ecology, Yale School of Forestry and Environmental Studies, New Haven, CT.
- **Timon McPhearson**, Thomas Elmqvist*, Dagmar Haase, and Erik Gomez-Baggathun. 2013. "Towards an Integrated Framework for Investigating Urban Ecosystem Services", Symposium Chair and presenter, *Making Ecosystem Services Count, 6th Annual International Ecosystem Services Partnership Conference*, Bali, Indonesia.
- **Timon McPhearson***. 2013. "Methodological and theoretical approaches for dealing with socio-ecological complexity of urban areas." Symposium Chair and Speaker, *Society for Urban Ecology, 1st World Congress*, Berlin, Germany.
- **Timon McPhearson***, Peleg Kremer, and Zoé Hamstead. 2013. "Identifying hotspots for social-ecological transformation: A multi-criteria approach to assessing urban ecosystem services." *Society for Urban Ecology, 1st World Congress*, Berlin, Germany.

- Erik Andersson*, **Timon McPhearson** Niki Frantzeskaki, Erik Gomez Baggethun, Dagmar Haase, Jaan-Henrik Kain, Jari Niemelä, Magnus Tuvendal, and Danial Wurster. 2013. “What does it take to ensure generation of and access to ecosystem services?” *Society for Urban Ecology, 1st World Congress*, Berlin, Germany.
- Zoé Hamstead*, Peleg Kremer, Neele Larondelle, Dagmar Haase, and **Timon McPhearson**. 2013. “Deriving evaluation units for ecosystem services in urban areas.” *Society for Urban Ecology, 1st World Congress*, Berlin, Germany.
- Rieke Hansen*, Niki Frantzeskaki, **Timon McPhearson**, Emily Rall, Anna Kaczorowska, Jaan-Henrik Kain, Nadja Kabisch, Stephen Pauleit. 2013. “Are we ready for urban ecosystem services yet? Institutional conditions for application of the urban ecosystem service framework in Berlin, New York, Rotterdam, Salzburg and Stockholm.” *Society for Urban Ecology, 1st World Congress*, Berlin, Germany.
- Johannes Langemeyer*, Dagmar Haase, **Timon McPhearson**, Peleg Kremer, Francesc Baró, Emily Rall, Erik Gomez-Baggethun, Niki Frantzeskaki, Sabastian Scheuer. 2013. “Multi-criteria framework for enhancing relevance of urban ecosystem service assessments for policy- making.” *Society for Urban Ecology, 1st World Congress*, Berlin, Germany.
- N. Larondelle*, D. Haase, Z. Hamstead, P. Kremer, **T. McPhearson**. 2013. “Generic urban land use and land cover classification to reduce uncertainty for deriving ecosystem functions and services: The comparison of Berlin and New York City”, *IALE-D Annual conference*, Dresden, Germany
- **McPhearson, Timon***, Matthew I. Palmer, Richard Karty, and Sanpisa Sritrairat. 2012. “Assessing Urban Forest Restoration Effects on Vegetation Dynamics and Plant-Soil Interactions in New York City Urban Parkland.” *4th International EcoSummit: Ecological Sustainability: Restoring the Planet’s Ecosystem Services*, Columbus, Ohio.
- Sritrairat, Sanpisa* and **Timon McPhearson**. 2012. “Urban Soil Heterogeneity in New York City Parkland.” *4th International EcoSummit: Ecological Sustainability: Restoring the Planet’s Ecosystem Services*, Columbus, Ohio.
- Zoé Hamstead*, William Gallo, **Timon McPhearson**, and Peleg Kremer. 2012. “Urban ecology and health: the role of green space in promoting physical activity among senior citizens in New York City.” *4th International EcoSummit: Ecological Sustainability: Restoring the Planet’s Ecosystem Services*, Columbus, Ohio.
- **McPhearson, Timon***, Peleg Kremer, and Zoé Hamstead. 2012. “Non-economic Ecosystem Services Assessment of Urban Land in the New York City Social-Ecological System.” *4th International EcoSummit: Ecological Sustainability: Restoring the Planet’s Ecosystem Services*, Columbus, Ohio.
- Kremer, Peleg*, **Timon McPhearson**, and Zoé Hamstead. 2012. “Social-Ecological Urban Ecosystem Valuation - A Non-Monetary Evaluation Methodology for Vacant Lots in New York City.” *4th International EcoSummit: Ecological Sustainability: Restoring the Planet’s Ecosystem Services*, Columbus, Ohio.
- **McPhearson, Timon** and Keith G. Tidball*. 2012. “Disturbances in Urban Social-Ecological Systems: Niche Opportunities for Environmental Education.” *4th International EcoSummit: Ecological Sustainability: Restoring the Planet’s Ecosystem Services*, Columbus, Ohio.
- **McPhearson, Timon***. 2012. “Non-Economic Urban Ecosystem Services Stacking in the Social-Ecological System of New York City.” *Keynote presentation at the 11th Urban Environment Symposium*, Karlsruhe, Germany.
- **McPhearson, Timon**, Sanpisa Sritrairat*, Matthew Palmer, and Richard Karty. 2012. “Urban soil heterogeneity and plant-soil interactions in New York City parkland.” *Ecological Society of America Annual Meeting*, Portland, Oregon.
- **McPhearson, Timon**, Peleg Kremer*, and Zoé Hamstead 2012. *Non-economic ecosystem services assessment of urban land in the New York City social-ecological system. Ecological Society of America Annual Meeting*, Portland, Oregon.
- **McPhearson, Timon***. 2012. “A social-ecological research agenda for urban ecosystem services assessment.” Invited presentation to the Urban Biome Expert Group, *Ecosystem Services Partnership*, Portland, Oregon.
- **McPhearson, Timon***, Peleg Kremer, and Zoé Hamstead. 2012. “Non-economic ecosystem services assessment of urban land in the New York City social-ecological system.” *Ecosystem Services Partnership conference*, Portland, Oregon.

- Kremer, Peleg*, **Timon McPhearson**, and Zoé Hamstead. 2012. Vacant lots and the urban ecosystem. Association of American Geographers Annual Meeting, Washington, D.C., USA.
- **McPhearson, Timon** and Peleg Kremer*. 2012. "New York City social-ecological systems: A non-economic ecosystem services valuation approach." *3rd International Urban Research Symposium, ICLEI (Local Governments for Sustainability) World Congress*, Belo Horizonte, Brazil.
- **McPhearson, Timon**, Peleg Kremer*, and Zoé Hamstead. 2012. "Urban Ecosystem Services in New York City: A Social-Ecological Multi-Criteria Approach." *International Society for Ecological Economics Conference - Ecological Economics and Rio+20: Challenges and Contributions for a Green Economy*, Rio de Janeiro, Brazil.
- **McPhearson, P. Timon***, Peleg Kremer, and Zoé Hamstead. 2012. "Non-economic Ecosystem Services Stacking in the Social-Ecological System of New York City." *Planet Under Pressure Conference*, London, UK.
- **McPhearson, P. Timon**, Richard Karty, and Sanpisa Srित्रairat*. 2012. Urban Forest Restoration Affects Diversity and Composition of Vegetation in NYC Parks. *Society for Ecological Restoration, Mid-Atlantic Meeting*, New York, NY.
- Falxa-Raymond*, Nancy, Matthew Palmer, **P. Timon McPhearson**, and Kevin Griffin. 2012. "Nitrogen Characteristics of Four Tree Species at New York City Reforestation Sites." *Society for Ecological Restoration, Mid-Atlantic Meeting*, New York, NY.
- **McPhearson, P. Timon**, Peleg Kremer*, and Zoé Hamstead. 2012. "Vacant Lots and the Urban Ecosystem." *Association of American Geographers*, New York, NY.
- **McPhearson, P. Timon**, Sanpisa Srित्रairat*, and Richard Karty. 2012. "Soil Heterogeneity in Patchy Urban Ecosystems: An Analysis of Soil Carbon, Nutrients and Heavy Metal Distribution in New York City Parkland." *Association of American Geographers*, New York, NY.
- **McPhearson, P. Timon**, Peleg Kremer*, Zoé Hamstead. 2011. "Regional Biosphere Design and Ecosystem Approaches to the Metro New York City Region." *Environmental Consortium of Hudson Valley Colleges and Universities*, New York, NY.
- **McPhearson, P. Timon***, Alexander Felson, Richard Karty, and Matthew I. Palmer. 2010. "Urban Forest Restoration: Assessing Effects on the Structure and Function of New York City Ecosystems." *Society for Conservation Biology*, Edmonton, Canada.
- **McPhearson, P. Timon***, Matthew I. Palmer, Richard Karty, Jacqueline W.T. Lu, Michael Feller, Timothy Wenskus, and Alexander Felson. 2010. "Assessing the Effects of MillionTreesNYC on the Structure and Function of Urban Ecosystems." *MillionTreesNYC, Green Infrastructure, and Urban Ecology: A Research Symposium*, New York, NY.
- Palmer, Matthew I.,* **P. Timon McPhearson**, Richard Karty, Jacqueline W.T. Lu, Mike Feller, Timothy Wenskus, and Alex Felson. 2010. "Reforestation Targets for New York City." *MillionTreesNYC, Green Infrastructure, and Urban Ecology: A Research Symposium*, New York, NY.

*Conference presentations from 2010 and earlier available upon request

TEACHING EXPERIENCE

- *Urban Resilience* (formerly *Urban Ecosystems*): Undergraduate upper level urban social-ecological systems and resilience course at The New School, Spring 2010- present
- *Green Roof Ecology*: Advanced undergraduate field-based course in collaboration with Brooklyn Grange on Vice Media green roof site in Brooklyn, Spring 2016 - present
- *Current Issues in Climate Change*: Advanced undergraduate urban climate change and resilience course at The New School, Spring 2015
- *Politics and Biodiversity* (w/Rafi Youatt, New School for Social Research): Graduate/undergraduate political ecology and scientific biodiversity course at The New School, Fall 2012- 2014
- *Ecology Lab*: Undergraduate upper level ecology wet laboratory course at The New School, Spring 2010-present

- *Environment and Society*: Undergraduate introductory sustainability course at The New School, Fall 2008 – present
 - *Urban Ecology* (formerly *Principles of Ecology*): Undergraduate introductory ecology course at The New School, Fall 2008 - present
 - *Environmental Thinking*: Undergraduate introductory environmental issues course at The New School, Fall 2010
 - *Architecture and Social Practice: Tree Seminar* (team taught with Parsons faculty Natalie Fizer, Glenn Forley, and Michael Morris), Graduate seminar design course at Parsons, The New School for Design, Spring 2009
 - *Beyond the Human Scale: Cosmology and Ecology*: Graduate/undergraduate seminar at Columbia University, Summer 2007, Winter 2008
 - *Frontiers of Science*: Undergraduate introductory science course at Columbia University, Spring and Fall 2005-2008
 - *Introduction to Remote Sensing*: Graduate course for the Center for Biodiversity and Conservation, American Museum of Natural History, Summer 2005
 - *Conservation Biology, Plant Ecology, Principles of Ecology*: Lecturer in undergraduate courses at Rutgers University, 1998-2003
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SUPERVISION

PhD students, current:

Bart Orr (Milano School of Public and Urban Policy)
 Katinka Wijsman (The New School for Social Research)
 Veronica Olivotto (Milano School of Public and Urban Policy)
 Avigail Vantu (Milano School of Public and Urban Policy)
 Jennifer Ventrella (Milano School of Public and Urban Policy)
 Rory Curtin (Milano School of Public and Urban Policy)
 Filipa Grilo (University of Lisbon)

PhD students, completed:

Zoe Hamstead (now tenure-track faculty at SUNY-Buffalo)
 Toni Cosio Castro (now environmental consultant)

PhD students at other universities (External examiner or co-supervisor for now PhD completed):

Mayumi Hirye (National Institute for Space Research (INPE), Sao Paolo, Brazil)
 Jing Wang (Chinese Academy of Sciences, Beijing, China)
 Yann Dusza (University Pierre and Marie Curie, Paris)
 Katharina Holscher (DRIFT-Erasmus University, Netherlands)
 Neele Larondelle (Humboldt University, Berlin)
 Hildegaard Link (City University of New York)
 Raja Segaran (University of Adelaide, Australia)

Postdocs current:

Ahmed Mustafa (formerly at Liège University, Belgium)
 Luis Ortiz (formerly at CUNY, New York City)
 Zbigniew Grabowski (formerly at PSU in Portland, Oregon)
 Yeowon Kim (Formerly at Arizona State University)

Postdocs, completed:

Bianca Lopez (now at UMass Amherst)
 Elizabeth Cook (now tenure-track faculty at Barnard)

Rocio Carrero (now Faculty Research Fellow, formerly at UCL in London)
Yaella Depietri (now senior researcher at Technion - Israel Institute for Technology)
Khila Dahal (now faculty at Temple University, Philadelphia)
Rositsa Illeva (now adjunct faculty at The New School and New York University)
Peleg Kremer (now tenure-track faculty at Villanova University)
Sanpisa Sritrairat (now tenure-track faculty at Mahidol University in Thailand)
Richard Karty (now an environmental consultant)
Peter Sigrist (formerly at Civic Nature)

Master's student theses: I supervise 4-6 students/yr

Undergraduate student theses: I advise 2-5 students/yr

Undergraduate and masters general advising: I advise 20-30 students/yr

ECOLOGY/ART COLLABORATIONS

- **Timon McPhearson*** and Victoria Marshall. 2014. "Micro_Urban: Recognizing and reconceiving micro-space in the city for human and ecological health." *Cities as Living Lab (CaLL) Project*, Mary Miss Studio, New York, NY.
 - **McPhearson, Timon***. 2013. "Urban Invasives: Meaning, Models, and Metaphors." Invited guest lecture, *Low Residency MFA Program*, Transart Institute, Berlin, Germany.
 - **McPhearson, Timon***. 2013. "*Social-ecological System Complexity and Urban Resilience.*" *Constructing a Place*, a panel discussion with Barbara Adams, Mary Di Lucia, Maria Iñigo Clavo, Steven H. Madoff, Lize Mogel, Ernesto Pujol, Damon Rich, and Laura F. Gibellini. *Spain Culture New York—Consulate General of Spain, Independent Curators International Gallery, New York, NY.*
http://curatorsintl.org/events/panel_discussion_construyendo_un_lugar_constructing_a_place
 - **McPhearson, P. Timon*** and Michael Cirino*. *New York City Mud Pies or The Taste of Climate Change: Urban Reforestation in NYC.* 2011. Part of *U-N-F-O-L-D: A Cultural Response to Climate Change*, an exhibit with *a razor, a shiny knife* in partnership with Eyebeam Art + Technology Center. Sheila C. Johnson Design Center Anna-Maria and Stephen Kellen Gallery, Parsons The New School for Design, New York City, NY.
 - **McPhearson, P. Timon*** and Philip Silva*. 2010. *StEM: Stewardship and the Urban Forest of New York City.* iLandArt 2010 Symposium, NYC, NY.
 - Michael Mandiberg* and **P. Timon McPhearson.** 2008. *Feedback: What does it mean to think "green?"*, Exhibition of *The RealCosts Carbon Calculator*, Eyebeam Art + Technology Center Gallery, New York City, NY.
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ADVISORY BOARD MEMBER: CURRENT

- World Economic Forum, Global Commission on BiodiverCities, Member
 - NYC Panel on Climate Change (NPCC), Member
 - World Resources Institute, Ross Center for Sustainable Cities, Advisor
 - USDA Forest Service, STEW-MAP Project
 - Future Earth, Urban Knowledge Action Network (UKAN), Core Development Team and Co-Chair 2018-2020
 - Quantified Planet, Scientific Advisor
 - Natural Areas Conservancy, New York, NY
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ADVISORY BOARD MEMBER: PAST

- Chair, Tishman Environment and Design Center Advisory Board (2015-2017)
 - Future Earth Integration with Intergovernmental Panel on Biodiversity and Ecosystem Services (IPBES)
 - Urban Biosphere (URBIS) Initiative, in partnership with ICLEI (Local Governments for Sustainability), United Nations Convention on Biological Diversity (CBD), UNESCO, and UNHABITAT
 - NYC Mayor's Office of Recovery and Resiliency, Urban Heat Island Task Force
 - PlaNYC MillionTreesNYC Research and Evaluation Committee, New York, NY
 - Urban Assembly School for Green Careers, New York, NY
 - Earth School, Something Good in the World, Croton-on-Hudson, NY
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JOURNAL REVIEWER AND EDITOR SERVICE

- AMBIO
- Applied Ecology
- Applied Geography
- Biological Conservation
- Bioscience
- Canadian Journal of Remote Sensing
- Cities
- Cities and the Environment
- Climatic Change
- Computers, Environment, and Urban Systems
- Earth's Future
- Ecological Applications
- Ecological Indicators (**Managing Guest Editor** for Special Issue)
- Ecology and Society (**Associate Editor**)
- Ecosystem Services (**Guest Editor** for Special Issue)
- Ecosphere
- Environment and Planning B: Planning and Design
- Environment Development and Sustainability
- Environmental Policy and Planning
- Environmental Research Letters
- Environmental Science (AIMS)
- Environmental Science and Policy (**Guest Editor** for Special Issue 2015 and 2021)
- Frontiers in Ecology and the Environment
- Global Environmental Change
- International Journal of Biodiversity Science, Ecosystem Services & Management
- International Journal of Disaster Risk Reduction
- Journal of Architecture and Urbanism
- Journal of Applied Ecology
- Journal of Biodiversity Science, Ecosystem Services, and Management
- Journal of Urban Ecology (**Associate Editor**)
- Journal of Urban Planning and Development
- Journal of Environmental Policy and Planning
- Journal of Extreme Events
- Journal of Infrastructure Systems
- Journal of Urban Design
- Landscape and Urban Planning

- Landscape Ecology
 - Land Use Policy
 - Nature Ecology and Evolution
 - Nature Sustainability
 - Nature npj Urban Sustainability (**Founding Associate Editor**)
 - PNAS
 - Remote Sensing of the Environment
 - Science
 - Science of the Total Environment
 - Sustainability
 - Sustainability Science
 - Sustainable Cities and Society
 - Urban Climate (**Editorial Board**)
 - Urban Ecosystems
 - Urban Planning
 - Urban Planning and Development
 - Urban Transformations (**Editorial Board**)
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BOOK AND PROPOSAL REVIEWER

- MIT Press (book reviewer)
 - Oxford University Press (book reviewer)
 - National Geographic (proposal reviewer)
 - National Science Foundation (proposal reviewer)
 - European Commission Horizon 2020 (proposal reviewer)
 - Netherlands Organisation for Scientific Research
 - New Jersey Sea Grant (proposal reviewer)
 - Swiss National Science Foundation (proposal reviewer)
 - World Bank (proposal reviewer)
 - UK Natural Environment Research Council (proposal reviewer)
 - Yale Press (book reviewer)
 - Zurich Research Commission (proposal reviewer)
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PROFESSIONAL MEMBERSHIPS

- American Association for the Advancement of Science
- Association of Environmental Studies and Sciences
- British Ecological Society
- Ecological Society of America
- Ecosystem Services Partnership
- International Society for Ecological Economics
- New York Academy of Science
- New York State Urban Community Forestry Council
- Society for Conservation Biology
- Society for Ecological Restoration
- Scientists Without Borders
- The Nature Conservancy
- US Green Building Council