

## Publications for Roland Fletcher

### 2018

Fletcher, R. (2018). Angkor, food production, water management and climate change: The trajectory of urbanism in SE Asia to the mid-second millennium CE. In Federica Sulas, Innocent Pikirayi (Eds.), *Water and Society from Ancient Times to the Present: Resilience, Decline, and Revival*, (pp. 238-258). Oxon: Routledge. <a href="http://dx.doi.org/10.4324/9781315560144">[More Information]</a>

Penny, D., Zachreson, C., Fletcher, R., Lau, D., Lizier, J., Fischer, N., Evans, D., Pottier, C., Prokopenko, M. (2018). The demise of Angkor: Systemic vulnerability of urban infrastructure to climatic variations. *Science Advances*, 4(10), 1-8. <a href="http://dx.doi.org/10.1126/sciadv.aau4029">[More Information]</a>

### 2016

Feneley, M., Penny, D., Fletcher, R. (2016). Claiming the hydraulic network of Angkor with Visnu: A multidisciplinary approach including the analysis of archaeological remains, digital modelling and radiocarbon dating: With evidence for a 12th century renovation of the West Mebon. *Journal of Archaeological Science: Reports*, 9, 275-292. <a href="http://dx.doi.org/10.1016/j.jasrep.2016.06.031">[More Information]</a>

Fletcher, R. (2016). The Trantor-Coruscant Conundrum: Deep Time, Imagined Interstellar Urbanism and the SETI Debate. In Ursula K Frederick, Anne Clarke (Eds.), *That Was Then, This Is Now : Contemporary Archaeology and Material Cultures in Australia*, (pp. 118-133). Newcastle upon Tyne: Cambridge Scholars Publishing.

### 2015

Fletcher, R., Evans, D., Pottier, C., Rachna, C. (2015). Angkor Wat: an introduction. *Antiquity*, 89(348), 1388-1401. <a href="http://dx.doi.org/10.15184/aqy.2015.178">[More Information]</a>

Lucero, L., Fletcher, R., Coningham, R. (2015). From 'collapse' to urban diaspora: the transformation of low-density, dispersed agrarian urbanism. *Antiquity*, 89(347), 1139-1154. <a href="http://dx.doi.org/10.15184/aqy.2015.51">[More Information]</a>

Sonnemann, T., O'Reilly, D., Rachna, C., Fletcher, R., Pottier, C. (2015). The buried "towers" of Angkor Wat. *Antiquity*, 89(348), 1420-1438. <a href="http://dx.doi.org/10.15184/aqy.2015.179">[More Information]</a>

Evans, D., Fletcher, R. (2015). The landscape of Angkor Wat redefined. *Antiquity*, 89(348), 1402-1419. <a href="http://dx.doi.org/10.15184/aqy.2015.157">[More Information]</a>

Evans, D., Hanus, K., Fletcher, R. (2015). The story beneath the canopy: An airborne lidar survey over Angkor, Phnom Kulen and Koh Ker, northwestern Cambodia. *41st Conference on Computer Applications and Quantitative Methods in Archaeology*, Amsterdam: Amsterdam University Press. <a href="http://dx.doi.org/10.5117/9789089647153">[More Information]</a>

### 2014

Buckley, B., Fletcher, R., Wang, S., Zottoli, B., Pottier, C. (2014). Monsoon extremes and society over the past millennium on mainland Southeast Asia. *Quaternary Science Reviews*, 95, 1-19. <a href="http://dx.doi.org/10.1016/j.quascirev.2014.04.022">[More Information]</a>

### 2013

Evans, D., Fletcher, R., Tan, B. (2013). 2012 LiDAR survey over Angkor, Phnom Kulen and Koh Ker. *World Heritage*, 68, 62-65.

Evans, D., Fletcher, R., Pottier, C., Chevance, J., Soutif, D., Boun, S., Sokrithy, I., Darith, E., Tina, T., Samnang, K., et al (2013). Uncovering archaeological landscapes at Angkor using lidar. *Proceedings of the National Academy of Sciences of the United States of America*, 110(31), 12595-12600. <a href="http://dx.doi.org/10.1073/pnas.1306539110">[More Information]</a>

### 2012

Fletcher, R. (2012). Low-density, agrarian-based urbanism: scale, power, and ecology. In Michael E Smith (Eds.), *The Comparative Archaeology of Complex Societies*, (pp. 285-320). New York, USA: Cambridge University Press. <a href="http://dx.doi.org/10.1017/CBO9781139022712.013">[More Information]</a>

Fletcher, R., Evans, D. (2012). The dynamics of Angkor and its landscape. In Alexandra Haendel (Eds.), *Old Myths and New Approaches: Interpreting Ancient Religious Sites in Southeast Asia*, (pp. 42-62). Clayton, Victoria: Monash University Publishing.

### 2010

Buckley, B., Anchukaitis, K., Penny, D., Fletcher, R., Cook, E., Masaki, S., Nam, L., Wichienkeo, A., Minh, T., Truong, M. (2010). Climate as a contributing factor in the demise of Angkor, Cambodia. *Proceedings of the National Academy of Sciences of the United States of America*, 107(15), 6748-6752. <a href="http://dx.doi.org/10.1073/pnas.0910827107">[More Information]</a>

Fletcher, R. (2010). Shining Stars and Black Holes: Urbanism, Comparison, and Comparability. *Journal of Urban History*, 36(2), 251-256. <a href="http://dx.doi.org/10.1177/0096144209351667">[More Information]</a>

Fletcher, R. (2010). Urban Materialities: Meaning, Magnitude, Friction, and Outcomes. In Dan Hicks and Mary C Beaudry (Eds.), *The Oxford Handbook of Material Culture Studies*, (pp. 459-483). New York, USA: Oxford University Press. <a href="http://dx.doi.org/10.1093/oxfordhb/9780199218714.013.0020">[More Information]</a>

### 2009

Fletcher, R. (2009). Low-Density, Agrarian-Based Urbanism: A Comparative View. *Insights*, 2(4), 2-19.

### 2008

Lustig, T., Fletcher, R., Kummu, M., Pottier, C., Penny, D. (2008). Did Traditional Cultures Live in Harmony with Nature? Lessons from Angkor, Cambodia. In Matti Kummu, Marko Keskinen, Olli Varis (Eds.), *Modern myths of the Mekong: a critical review of water and development concepts, principles and policies*, (pp. 81-94). Helsinki: Water & Development Publications - Helsinki University of Technology.

Fletcher, R., Pottier, C., Evans, D., Kummu, M. (2008). The Development of the Water Management System of Angkor: A Provisional Model. *Bulletin of the Indo-Pacific Prehistory Association*, 28, 57-66.

Fletcher, R., Penny, D., Evans, D., Pottier, C., Barbetti, M., Kummu, M., Lustig, T., Authority for the Protection and Mgt of Angkor and the Region of Siem Reap, A. (2008). The water management network of Angkor, Cambodia. *Antiquity*, 82(2008), 658-670. <a href="http://dx.doi.org/10.1017/S0003598X00097295">[More Information]</a>

## 2007

Evans, D., Pottier, C., Fletcher, R., Hensley, S., Tapley, I., Milne, A., Barbetti, M. (2007). A comprehensive archaeological map of the world's largest preindustrial settlement complex at Angkor, Cambodia. *Proceedings of the National Academy of Sciences of the United States of America*, 104(36), 14277-14282. <a href="http://dx.doi.org/10.1073/pnas.0702525104">[More Information]</a>

Fletcher, R., Johnson, I., Bruce, E., Khuon, K. (2007). Living with heritage: Site monitoring and heritage values in Greater Angkor and the Angkor World Heritage Site, Cambodia. *World Archaeology*, 39(3), 385-405. <a href="http://dx.doi.org/10.1080/00438240701465001">[More Information]</a>

Fletcher, R. (2007). *The Limits of Settlement Growth: A theoretical outline*. Cambridge: Cambridge University Press.

Dan, P., Hua, Q., Pottier, C., Fletcher, R., Barbetti, M. (2007). The use of AMS C-14 dating to explore issues of occupation and demise at the medieval city of Angkor, Cambodia. *Nuclear Instruments and Methods in Physics Research B*, 259(1), 388-394. <a href="http://dx.doi.org/10.1016/j.nimb.2007.02.095">[More Information]</a>

## 2006

Fletcher, R., Penny, D., Barbetti, M., Pottier, C., Than, H., Chan, K., Somaneath, T. (2006). The Greater Angkor Project 2005-2009: Issues and Program. In Elisabeth A Bacus, Ian C Glover and Vincent C Piggot (Eds.), *Uncovering Southeast Asia's Past: Selected Papers from the 10th International Conference of the European Association of Southeast Asian Archaeologists*, (pp. 347-354). Singapore: National University of Singapore.

Penny, D., Pottier, C., Fletcher, R., Barbetti, M., Fink, D., Hua, Q. (2006). Vegetation and land-use at Angkor, Cambodia: a dated pollen sequence from the Bakong temple moat. *Antiquity*, 80(3), 599-614. <a href="http://dx.doi.org/10.1017/S0003598X00094060">[More Information]</a>

## 2005

Penny, D., Pottier, C., Kummu, M., Fletcher, R., Zoppi, U., Barbetti, M., Somaneath, T. (2005). Hydrological history of the West Baray, Angkor, revealed through palynological analysis of sediments from the West Mebon. *Bulletin de l'ecole Francaise d'extreme-Orient*, 92(3), 497-521.

## 2004

Fletcher, R., Evans, D., Tapley, I., Milne, A. (2004). Angkor: Extent, Settlement Pattern And Ecology. Preliminary Results Of An Aisars Survey In September 2000. *Indo-Pacific Prehistory Association Bulletin*, 24, 130-138.

Fletcher, R. (2004). Materiality, space, time and outcome. In J L Blintliff (Eds.), *The Blackwell Companion to Archaeology*. (pp. 110-140). Ocford: Blackwell Publishers.

Zoppi, U., Barbetti, M., Fletcher, R., Hua, Q., Chhem, R., Pottier, C., Watanasak,, M. (2004). The Contribution Of C-14 Ams Dating To The Greater Angkor Archaeological Project. *Nuclear Instruments and Methods in Physics Research B*, 223-24, 681-685. <a href="http://dx.doi.org/10.1016/j.nimb.2004.04.126">[More Information]</a>

## 2003

Fletcher, R. (2003). Angkor. Great Temples - Vast City. *Lotus Leaves*, 11, 4-7.

Fletcher, R. (2003). Barbed Wire was an Invention to Control American Cows: What is Required in a Neo-Darwinian Theory of Cultural Behaviour? *Cambridge Archaeological Journal*, 13(2), 288-293.

Polkinghorne, M., Fletcher, R. (2003). Bounded space: the continuous galleries at Angkor. *TAASA Review*, 12(2), 6-7.

Fletcher, R., Barbetti, M., Evans, D., Than, H., Sokrithy, I., Chan, D., Penny, D., Pottier, C., Somaneath, T. (2003). Redefining Angkor: Structure and environment in the largest, low density urban complex of the pre-industrial world. *Udaya Journal of Khmer Studies*, 4, 107-121.

## 2002

Fletcher, R., Pottier, C. (2002). AIRSAR radar image insert of central Angkor. *Museum International (English Edition)*, 54, one page insert.

Fletcher, R., Christian, P. (2002). The Gossamer City: a new inquiry. *Museum International (English Edition)*, 54, 23-27.

Fletcher, R. (2002). The hammering of society: non-correspondence and modernity. In John Schofield, William Gray Johnson and Colleen M. Beck (Eds.), *Matï: ½riël culture : the archaeology of twentieth-century conflict*, (pp. 303-311). London & New York: Routledge imprint of Taylor & Francis.

## 2001

Fletcher, R. (2001). Angkor. In C. Orser (Eds.), *Encyclopedia of Historical Archaeology*. (pp. 19-21). London: Routledge imprint of Taylor & Francis.

Fletcher, R. (2001). Seeing Angkor â€“ new views on an old city. *JOSA: The Journal of the Oriental Society of Australia*, 32(33), 1-25.