

# SARAH KLASSEN

Leiden University  
Einsteinweg 2, 2333 CC Leiden, Netherlands  
[sarah.e.klassen@gmail.com](mailto:sarah.e.klassen@gmail.com) | [sarahklassen.ca](http://sarahklassen.ca)  
October 2021

## PROFESSIONAL APPOINTMENTS

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- 2022 – P.      **University of Toronto**  
Fellow in the Archaeology Centre at the Faculty of Arts and Sciences
- 2018 – P.      **Phoenix Community College**  
Adjunct Faculty
- 2021 – 2022    **Leiden University**  
European Research Council (ERC) Marie Skłodowska-Curie Postdoctoral Fellow
- 2019 - 2020    **University of British Columbia**  
Social Sciences and Humanities Research Council (SSHRC) Postdoctoral Fellow
- 2018            **Dumbarton Oaks, Harvard University**  
Mellon Fellow in Urban Landscape Studies

## HONORARY APPOINTMENTS

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- 2021 – P.      **University of British Columbia**  
Honorary Research Associate
- 2021 – 2022    **University of Toronto**  
Honorary Research Associate
- 2019 – 2021    **University of Oregon**  
Courtesy Research Associate
- 2019            **Arizona State University**  
Visiting Researcher

## EDUCATION

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- 2011- 2018    **Arizona State University**  
Ph.D. in Anthropology (Archaeology)  
Dissertation: “Adaptive Capacity of the Water Management Systems of Two Medieval Khmer Cities, Angkor and Koh Ker.”  
Committee: Ben A. Nelson (co-chair), Charles Redman (co-chair), Mike Smith, Michael Barton, and Damian Evans  
M.A. in Anthropology (Archaeology), 2013

## **PUBLICATIONS**

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### **Accepted**

Hawken, S. & **S. Klassen**. Angkor's local temple communities: Towards an algorithmic approach to understanding Angkorian suburban settlement patterns. Book chapter in *Angkorian World*.

Evans, D., Fletcher, R., **Klassen, S.**, Pottier, C., & Wijker, P. Trajectories of Urbanism in the Angkorian World. Book chapter in *Angkorian World*.

Evans, D., Polkinghorne, M., Fletcher, R., Brotherson, D., Hall, T., **Klassen, S.**, & Wijker, P. Perspectives on the 'Collapse' of Angkor and the Khmer Empire: A Critical Review. Book chapter in *Angkorian World*.

**Klassen, S.**, Pappagallo, T., & D. Evans. From the jungle to the lab: Using remote-sensing and deep learning to map archaeological features in lab-based settings." Book chapter in *Analecta Praehistorica Leidensia*.

### **Peer-reviewed**

**Klassen, S.**, Carter, A., Evans, D., Ortman, S., Stark, M., Loyless, A., Polkinghorne, M., Heng, P., Hill, M., Wijker, P., Niles-Weed, J., Marriner, G., Pottier, C., & R. Fletcher (2021). Diachronic modeling of the population within the medieval Greater Angkor Region settlement complex. *Science Advances*, 7 (19).

**Klassen, S.**, Ortman, S., Lobo, J., & D. Evans (2021). Increasing returns to agricultural intensification at Angkor, Cambodia. *Journal of Archaeological Method and Theory*.

**Klassen, S.**, Attorre, T., Brotherson, D., Chhay, R., Johnson, W., Moffat, I., & R. Fletcher (2021). Engineering at the nexus of climate and social challenges: Using remote sensing to decipher a timeline of demise at medieval Angkor, Cambodia. *Remote Sensing*, 13 (11).

Carter, A., **Klassen, S.**, Stark, M., Polkinghorne, M., Heng, P., & D. Evans (2021). "The evolution of agro-urbanism: A case study from Angkor, Cambodia." *Journal of Anthropological Archaeology*, 16.

**S. Klassen**, & D. Evans (2020). Top-down and bottom-up water management: A diachronic model of changing water management strategies at Angkor, Cambodia. *Journal of Anthropological Archaeology*, 58.

Cohen, A., **Klassen, S.**, & D. Evans (2020). Ethics in Archaeological Lidar. *Journal of Computer Applications in Archaeology*, 3 (1), pp. 76–91.

Evans, D. & **S. Klassen** (2020). Water Management and Settlement Structure at Koh Ker. *The International Magazine of Arts and Antiques of Southeast Asia*. 1 (1).

Moffat, I., **Klassen, S.**, Attorre, T., Evans, D., Lustig, T. & K. Leaksmy (2019). Geophysical investigations of the Koh Ker chute, northern Cambodia. *Geoarchaeology*. 35 (1).

**Klassen, S.**, Weed, J., & D. Evans (2018). “Semi-supervised machine learning approaches for predicting the chronology of archaeological sites: A case study of temples from medieval Angkor, Cambodia,” *PLOS ONE*, 13 (11).

Russell, W., **Klassen, S.**, & K. Salazar (2018). Lines of communication: Mimbres hachure and concepts of color. *American Antiquity*, 83 (1).

Lustig, T., **Klassen, S.**, Evans, D., French, R., & I. Moffat (2018). Evidence for the breakdown of an Angkorian hydraulic system, and its historical implications for understanding the Khmer Empire. *Journal of Archaeological Science: Reports*. 17.

### Special issues edited

Cohen, A., **Klassen, S.**, & D. Evans (2020). Reflections on Archaeological Lidar. *Journal of Computer Applications in Archaeology*. 3 (1).

### Book reviews

**Klassen, S.** (2021). Review of *Ancient Southeast Asia*. JOHN NORMAN MIKSIC and GEOK YIAN GOH. 2017. Routledge, London.

### Published code

Hill, M., & **Klassen, S.** (2020). Diachronic modeling of the population within the Greater Angkor settlement complex. Figshare (<https://figshare.com/s/df9947cb877d03a21406>).

### Data Repositories

**Klassen, S.**, Attorre, T., Brotherson, D., Chhay, R., Johnston, W., Moffat, I., and R. Fletcher (2021) Data Associated with “Deciphering a Timeline of Demise at Medieval Angkor, Cambodia using Remote Sensing” Available online: [osf.io/g65xu](https://osf.io/g65xu).

### Technical reports

**Klassen, S.**, Attorre, T., Loyless, A., Hill, M., Phakdey, P., & P. Samnang (2020). Koh Ker Archaeological Project (KKAP): Report 5: Photogrammetry: Fieldwork conducted Dec. 2019. Report on file, the National Authority of Preah Vihear.

**Klassen, S.**, Attorre, T., Loyless, A., Hill, M., Phakdey, P., & P. Samnang (2020). Koh Ker Archaeological Project (KKAP): Report 4: Ground penetrating radar survey: Fieldwork conducted Dec. 2019. Report on file, the National Authority of Preah Vihear.

**Klassen, S.,** Attorre, T., Phakdey, P., Samnang, P., & R. Lane (2019). Koh Ker Archaeological Project (KKAP): Report 3: Ground penetrating radar survey: Fieldwork conducted March 2019. Report on file, the National Authority of Preah Vihear.

Attore, T., & **S. Klassen** (2019). Koh Ker Archaeological Project (KKAP): Report 2: Second potential UXO identification during March 2019 field season. Report on file, the National Authority of Preah Vihear.

Attore, T. & **S. Klassen** (2019). Koh Ker Archaeological Project (KKAP): Report 1: Potential UXO identification during March 2019 field season. Report on file, the National Authority of Preah Vihear.

**Klassen, S.** & A. Loyless (2019). Cambodian Archaeological Lidar Initiative: Exit Report, Sambor Prei Kuk Ground Survey. Report on file, the Ministry of Culture, Cambodia.

**Klassen, S.,** Evans, D., Lustig, T., & N. Wiggins (2016). Excavations at the Koh Ker Chute. Report on file, the Authority for the Protection and Management of Angkor and the Region of Siem Reap.

**S. Klassen** (2014). Preliminary Analysis using Middle Mekong Archaeological Project GIS data: A model to recommend prehistoric agrarian sites in the middle Mekong basin for excavation. Report on file, the Henry Luce Foundation.

Russell, W., **Klassen, S.,** Bello, J., Edwards, E., Knoll, Z., Smigielski, R., & R. Suarez (2012). Excavation summary, unit 10, Roadmap Village (LA45157), Sierra County, New Mexico. Report on file, School of Human Evolution and Social Change, ASU.

## **GRANTS, AWARDS, AND FELLOWSHIPS\***

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### **Fellowships**

2021 – 2022	Marie Sklodowska-Curie Postdoctoral Fellow, €175,000 EUR
2019 – 2020	Social Sciences and Humanities Research Council of Canada Postdoctoral Fellowship, \$90,000 CAD
2017-2018	ASU College of Liberal Arts and Sciences Graduate Dissertation Completion Fellowship, \$18,000 USD
2017-2018	ASU School of Human Evolution and Social Change Dissertation Completion Fellowship, \$18,000 USD (Declined)
2016	Endeavour Fellowship, Australian Government, Department of Education and Training, \$23,000 AUD
2013	Norm Perrill Origins Project Scholarship \$1,000 USD

2011 Dartmouth College General Fellowship for Graduate Research, \$5,500 USD

2008-2010 Sandra and Arthur Irving Scholarship, \$75,000 USD

2008 NCAA Academic Enrichment, \$1,000 USD

### **Research Grants**

2019-2021 Social Sciences and Humanities Research Council of Canada (SSHRC) Insight Development Grant, Koh Ker Archaeological Project (*sole PI*). \$72,000 CAD

2019 Global Oregon Faculty Collaboration Fund, University of Oregon, \$3,000 USD

2018 Rust Family Foundation Research Grant, Koh Ker Archaeological Project (*sole PI*). \$9,100 USD

2018 National Science Foundation (NSF) Doctoral Dissertation Research Improvement Awards, Political Centralization and Water Management at Medieval Angkor, Cambodia (*PI: Nelson B., & Redman, C. co-PI: Klassen, S.*) (1638137). \$27,872 USD

2018 Rust Family Foundation Research Grant, Survey of the Greater Angkor Region (*PI: Klassen, S. & Evans, D.*). \$7,200 USD

2012-2017 ASU Graduate and Professional Student Association Travel Grant (*sole PI*), six grants totaling \$6,770 USD

2017 ASU School of Human Evolution and Social Change Student Research Grant (*sole PI*), Adaptive Capacity at Angkor. \$2,670 USD

2014-2017 Graduate Research Support Grant (*sole PI*), Graduate and Professional Student Association, the Office of Graduate Education, and the Office of the Vice President for Research and Economic Affairs, ASU, two grants totaling \$2,750 USD

2014 ASU Graduates in Integrative Society and Environmental Research (GISER) Research Seed Funds (*sole PI*). \$2,000 USD

2013 ASU School of Human Evolution and Social Change Research Award (*sole PI*). \$1,500 USD

2009 Claire Garber Goodman Research Grant. \$3,850 USD

2009 Rockefeller Senior Honors Thesis Grant. \$750 USD

2009 Dean of the Faculty Grant: Kaminsky Family Fund Award. \$2,000 USD

*\*Grants less than \$750 excluded*

### **Awards**

2018	Ruppé Prize in Archaeology, Runner-up
2018	ASU Graduate College Travel Award
2016	ASU College of Liberal Arts and Sciences Graduate Excellence Award
2015	The European Association of Southeast Asian Archaeologists (EurASEAA) Travel Award
2008	Charles G. & Alma Milham Award

## INVITED TALKS

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- “Diachronic population estimates and urban scaling at Angkor, Cambodia,” *Stadsarcheologiedag*, Amersfoort, Netherlands (October 10, 2022).
- “Human-environment interactions and the rise of urbanism in the Greater Angkor Region,” La Trobe University Archaeology seminars, Melbourne, Australia (March 10, 2022).
- “Building an Empire: Centralized agricultural systems and the rise of urbanism in the Khmer Empire,” *Oxford Eurasian Archaeology seminar*, Oxford, UK (February 21, 2022).
- “The rise and decline of Angkor,” Guest Lecture, *Archaeology of War*, Florida Atlantic University (February 17, 2022)
- “Adaptive capacity of medieval water management systems in Cambodia,” *San Joaquin Valley, Archaeological Institute of America*, San Joaquin Valley, California (October 4, 2021).
- “Human-environment interaction and the rise of urbanism,” *World Archaeology*, Washington University in St. Louis, St. Louis, Missouri (October 6, 2021)
- “Changing agriculture and water management strategies at the medieval complex of Angkor, Cambodia,” *Methods and Theoretical Approaches in Archaeology*, Universidade Estadual Paulista, São Paulo, Brazil (April 6-29, 2021).
- “Results of the Koh Ker Archaeological Project,” *National Authority of Preah Vihear*, Phnom Penh, Cambodia (March 17, 2021).
- “Angkor’s water management system and the rise of urbanism,” *Angkor’s water management system*, Center for Khmer Studies, Siem Reap, Cambodia (February 25, 2021).
- “Applications of GIS to Archaeology: Medieval Urbanism at Angkor, Cambodia,” *Research Methods in Archaeology*, Indiana University Bloomington, Bloomington, Indiana (February 3, 2021).
- “Using Remote Sensing to Decode the Urban Morphology and Agricultural System of Medieval Angkor, Cambodia,” *Middle American Research Institute Spring 2021 Archaeology Speaker Series*, Tulane University, New Orleans, Louisiana (January 29, 2021).
- “Agricultural centralization and intensification at medieval Angkor, Cambodia,” *Center for Khmer Studies*, Siem Reap, Cambodia (February 26, 2021).
- “Ancient Discoveries from Cambodia,” *Abbott Laboratories*, San Mateo, California (April 8, 2020).

- “Top-down and bottom-up water management: A diachronic model of changing water management strategies at Angkor, Cambodia,” *University of Oregon*, Eugene, Oregon (October 8, 2019).
- “The adaptive capacity of the water management systems of two medieval cities in Cambodia” *Colloquium Speaker Series, Department of Anthropology, University of Oregon*, Eugene, Oregon (October 7, 2019).
- “Koh Ker Archaeological Project (KKAP): Initial results from the ground-penetrating radar surveys at the Prang and the Palace,” *International Coordination Committee for the Conservation and Enhancement of the Temple of Preah Vihear (ICC-PV), United Nations Educational, Scientific and Cultural Organization (UNESCO)*, Siem Reap, Cambodia (September 19, 2019).
- “Environmental change, political ‘collapse,’ and migration in medieval Cambodia,” *Climate Change and History Research Initiative Colloquium, Princeton University*, Princeton, NJ (April 25, 2019).
- “Using landscape data to map the rise of urbanism and diachronic changes in water management and social complexity at Angkor, Cambodia,” *University of Toronto*, Toronto, Ontario (April 15, 2019).
- “Using remote sensing techniques to understand water management and urbanism at Koh Ker,” *International Coordination Committee for the Conservation and Enhancement of the Temple of Preah Vihear (ICC-PV), United Nations Educational, Scientific and Cultural Organization (UNESCO)*, Siem Reap, Cambodia (March 21, 2019).
- “Agro-urban environments and implications for resilience in medieval Cambodia,” *Garden and Landscapes Program, Dumbarton Oaks*, Washington, DC (Nov. 14, 2018).
- “An archaeological perspective on resilience and water management systems,” *Scholarship sponsorship talk, monthly meeting, Philanthropic Educational Organization (P.E.O.)*, Phoenix, Arizona (April 23, 2017).

## CONFERENCE AND WORKSHOP PARTICIPATION

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### Workshops Organized

Waagen, J., Lambers, K., Kalayci, T., **Klassen, S.**, Verschoof, W.B., Lang, M., (2022, June), “Archon Research School of Archaeology, Workshop Lidar,” Leiden University, Leiden, Netherlands.

Evans, D., **Klassen, S.**, Cohen, A, & Pottier, C. (2018, Dec.), “Paris dialogue on archaeological lidar,” The École française d'Extrême-Orient, Paris, France.

### Panels and Sessions Organized

**Klassen, S.** (2022, June), “Status of Archaeological Lidar Projects in Southeast Asia: Case Studies from Angkor and Beyond,” Archon Research School of Archaeology, Workshop Lidar, Leiden, Netherlands

**Klassen, S.** (2022, June), “Greater Angkor Region Lidar Tutorial,” Archon Research School of Archaeology, Workshop Lidar, Leiden, Netherlands

Fletcher, R., & **Klassen, S.** (2022, April). “Internal structure of low-density urbanism,” at the Society for American Archaeology 85<sup>th</sup> Annual Meeting, Chicago, IL.

**Klassen, S.** (2018, April). “Urbanism, production, and empire: New case studies from Angkorian Cambodia,” at the Society for American Archaeology 83<sup>rd</sup> Annual Meeting, Washington, DC.

### Panelist

**Klassen, S.,** Chase, A. & Lasponara, R. (2018, Dec.) “Updates on projects worldwide,” Paris Dialog on Archaeological Lidar, The École française d'Extrême-Orient, Paris, France.

### Papers

Fletcher, R., & **Klassen, S.** (2022, Nov.). “Diachronic Spatial Organisation in Greater Angkor 7<sup>th</sup> to 15<sup>th</sup> centuries CE,” Indo-Pacific Prehistory Association, Chiang Mai, Thailand.

**Klassen, S.** & Fletcher, R., (2022, Sept.). “Settlement pattern modelling and the structure of urbanism over time at Angkor, Cambodia,” European Association of Archaeologists, Budapest, Hungary.

Attorre, T. & **Klassen, S.,** (2022, Sept.). “Investigating Occupational Surfaces and Archaeological Record Formation using ground penetrating radar at a medieval Angkorian Site, Koh Ker, in Northern Cambodia,” European Association of Archaeologists, Budapest, Hungary.

Laudauer, J., **Klassen, S.,** Van Der Kroon, J., & Verschoof, W.B., (2022). “Beyond the Greater Angkor region: automatic large-scale mapping of Khmer Empire reservoirs in satellite imagery using Deep Learning.” International Conference on Computer Applications & Quantitative Methods in Archaeology, Oxford, England.

**Klassen, S.,** Attorre, A., Phakdey, P., Samnang, P., Loyless, A., & Hill, M. (2022, April). “Koh Ker Archaeological Project: Remote Sensing of the Inner Courtyard Koh Ker,” Society for American Archaeology, Chicago, IL.

Fletcher, R., **Klassen, S.** Prevedoros, P., Ortman, S., & Dharmendra, B. (2022, April). “Scaling effects in the denser occupation areas of Greater Angkor: Patterns and implications,” Society for American Archaeology, Chicago, IL.

**Klassen, S.,** Ortman, S., Lobo, J., & Evans, D. (2021, September). “Increasing returns to agricultural intensification at Angkor, Cambodia,” European Association of Archaeologists, Kiel, Germany.

**Klassen, S.,** Ortman, S., & Lobo, J. (2021, April). “Increasing returns to agricultural intensification at Angkor, Cambodia,” Society for American Archaeology 86<sup>th</sup> Annual Meeting, San Francisco, CA.

Carter, A. & **Klassen, S.** (2021, April). "Diachronic modeling of the population within the Greater Angkor settlement complex," Society for American Archaeology 86<sup>th</sup> Annual Meeting, San Francisco, CA.

**Klassen, S.** (2019, Nov.). "Quantitatively evaluating the adaptive capacity of the water management system of medieval Angkor, Cambodia," American Anthropological Association Annual Meeting, Vancouver, BC.

**Klassen, S.** (2019, April). "Emerging epicenters and complementary centralized and decentralized water management strategies at medieval Angkor, Cambodia," Society for American Archaeology 84<sup>th</sup> Annual Meeting, Albuquerque, NM.

Russell, W. & **Klassen, S.** (2019, April). "Then and now: Conservative and progressive politics at the Mimbres site of Swarts," Society for American Archaeology 84<sup>th</sup> Annual Meeting, Albuquerque, NM.

**Klassen, S.,** Evans, D., & Pottier, C. (2018, Dec.). "Status of archaeological lidar projects in Southeast Asia," Paris Dialog on Archaeological Lidar, The École française d'Extrême-Orient, Paris, France.

**Klassen, S.** (2018, Aug.). "Settlement and scaling in medieval Cambodia," Settlement Scaling and the Challenge of Mayan Low-Density Urbanism Workshop, The Santa Fe Institute, Santa Fe, NM.

**Klassen S.** (2018, April). "The adaptive capacity of the water management system of Angkor, Cambodia," Society for American Archaeology 83<sup>rd</sup> Annual Meeting, Washington, DC.

Kerwin, R. & **Klassen, S.** (2018, April). "The development of hydroelectric power on ancestral land in southern Chile" Society for American Archaeology 83<sup>rd</sup> Annual Meeting, Washington, DC.

Lane, R., **Klassen S.,** & Kerwin, R. (2018, April). "Parting the sea and draining the swamp: A critical review of binary approaches to water management," Society for American Archaeology 83<sup>rd</sup> Annual Meeting, Washington, DC.

**Klassen, S.** (2018, March). "An amalgamation of centralized and decentralized water management strategies: An archaeological case-study from medieval Cambodia," Society for Economic Anthropology Annual Meeting on Water & Economy, Tempe, AZ.

**Klassen, S.,** Moffat, I., Lustig, T., & Evans, D. (2017, July). "Noninvasively mapping subsurface topography to understand hydraulic failure: Results from GPR investigations of a water management feature at Koh Ker, Cambodia," 16<sup>th</sup> International Conference of the European Association of Southeast Asian Archaeologists, Poznań, Poland.

**Klassen, S.** & Kerwin, R. (2017, July). "Initial attempts to produce a chronology for Angkorian period pedestals," 16<sup>th</sup> International Conference of the European Association of Southeast Asian Archaeologists, Poznań, Poland.

Lustig, T., **Klassen, S.**, Evans, D. & French, R. (2017, July). "The short life of a water-control feature and Koh Ker's Short Term as the Khmer Political Center," 16<sup>th</sup> International Conference of the European Association of Southeast Asian Archaeologists, Poznań, Poland.

**Klassen, S.**, Weed, J., & Evans, D. (2017, March). "Untangling the urban morphology of medieval Angkor, Cambodia." Society for American Archaeology 82<sup>nd</sup> Annual Meeting, Vancouver, BC.

Russell, W. & **Klassen, S.**, (2017, March). "The presence and potential representation of turquoise at the Mimbres site of Galaz." Society for American Archaeology 82<sup>nd</sup> Annual Meeting, Vancouver, BC.

**Klassen, S.**, Weed, J., & Evans, D. (2017, March). "Discerning the urban morphology of Angkor using a semi-supervised algorithm for manifold learning." International Conference on Computer Applications and Quantitative Methods in Archaeology, Atlanta, GA.

**Klassen, S.**, Lustig, T., & Evans, D. (2016, April). "Using adaptive capacity to assess the water management system of Koh Ker, Cambodia." Society for American Archaeology 81<sup>st</sup> Annual Meeting, Orlando, FL.

**Klassen, S.**, Evans, D., Lustig, T., & le Plastrier, B. (2015, July). "Evaluating the sustainability of an Angkor-period engineered landscape at Koh Ker, Cambodia." 15<sup>th</sup> International Conference of the European Association of Southeast Asian Archaeologists. Paris, France.

**Klassen, S.**, Evans, D., Lustig, T., le Plastrier, B., & Lustig, E. (2015, April). "Evaluating the sustainability of an Angkor-period engineered landscape at Koh Ker, Cambodia." Society for American Archaeology 80<sup>th</sup> Annual Meeting, San Francisco, CA.

**Klassen, S.** & White, J. (2015, Jan.). "Preliminary analysis using Middle Mekong Archaeological Project GIS data: A model to recommend prehistoric agrarian sites in the Middle Mekong basin for excavation," Asian Network for GIS-based Historical Studies (Japan), Bangkok, Thailand.

Samnang, K., **Klassen, S.**, & White, J. (2014, Jan.). "Hoabinhian landscape use in Luang Prabang province: A geospatial assessment," the 20<sup>th</sup> Indo-Pacific Prehistory Association Congress, Siem Reap, Cambodia.

**Klassen, S.**, & White, J. (2014, April). "Modeling relative access to arable land in the Mekong basin, Laos." Society for American Archaeology 79<sup>th</sup> Annual Meeting, Austin, TX.

## Posters

Kerwin, K. & **Klassen, S.** (2017, March). "Developing typologies for architectural elements of Angkorian period temples." Society for American Archaeology 82<sup>nd</sup> Annual Meeting, Vancouver, BC.

**Klassen, S.** (2016, March). "Lessons from collapse: The adaptive capacity of the water management system of Koh Ker, Cambodia." Institute for Social Science Research, Interdisciplinary Research Symposium, Tempe, AZ.

**Klassen, S.,** Evans, D., Lustig, T., le Plastrier, B., and Lustig, E. (2015, March). "Evaluating the sustainability of an Angkor-period engineered landscape at Koh Ker, Cambodia." Graduate and Professional Student Association, ASU, Interdisciplinary Research Symposium, Tempe, AZ.

**Klassen, S.** (2013, April), "Social identities and design interpretation of Mimbres black-on-white bowls." Society for American Archaeology 78<sup>th</sup> Annual Meeting, Honolulu, HI.

**Klassen, S.** (2010, April). "El Antigual: A test of the representativeness of surface material." Society for American Archaeology 75<sup>th</sup> Annual Meeting, St. Louis, MO.

## **CAMPUS TALKS AND GUEST LECTURES**

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"The Greater Angkor Region and Beyond," *What are they up to now?* Leiden University (July 1, 2021).

"Remote sensing and the rise of urbanism at medieval Angkor, Cambodia," *Digital Archaeology Group*, Leiden University (February 11, 2021).

"Water management strategies at Angkor, Cambodia," *Introduction to Southeast Asian Archaeology*, University of Oregon, Eugene, Oregon (February 5, 2020).

"Medieval Angkor," *Gods, Ghosts, and Graves: Archaeology of Religions, the Save Ancient Studies Association* (July 27, 2020).

"Gender and equality in the western World," *Pannasastra University of Cambodia*, Siem Reap, Cambodia (March 6, 2019).

"Using geographic systems analyses to understand changing land-use patterns at the medieval complex of Angkor, Cambodia," *Geography Department Colloquium, University of British Columbia*, Vancouver, BC (September 8, 2020).

"GIS applications in archaeology," *GEOB 270 101: Geographic information science, University of British Columbia*, Vancouver, BC (Nov 21, 2019).

"Water management at Angkor, Cambodia," *Human Impact, Arizona State University*, Tempe, Arizona (March 27, 2018).

"Thinking about graduate school in the social sciences?" *ASU College of Liberal Arts and Sciences*, Tempe, Arizona (April 19, 2017).

"Angkor, water, and a new kind of urbanism," *Buried Cities and Lost Tribes: Old World*, Mesa Community College, Mesa, Arizona (March 9, 2015).

"2012 Field Season at Roadmap Village, Mimbres Prehistoric Landscapes Project," *School of Human Evolution and Social Change Archaeology Brown Bag, Arizona State University*, Tempe, Arizona (Oct 5, 2012).

## **TEACHING EXPERIENCE**

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### **Courses**

Fall 2022      **Instructor**  
*Women in Other Cultures*  
Phoenix Community College

Fall 2022      **Instructor**  
*Buried Cities and Lost Tribes: New World*  
Phoenix Community College

Summer 2022   **Instructor**  
*Buried Cities and Lost Tribes: New World*  
Phoenix Community College

Summer 2022   **Instructor**  
*Buried Cities and Lost Tribes: New World*  
Phoenix Community College

Spring 2022    **Instructor**  
*Women in Other Cultures*  
Phoenix Community College

Spring 2022    **Instructor**  
*Women in Other Cultures*  
Phoenix Community College

Fall 2021      **Instructor**  
*Women in Other Cultures*  
Phoenix Community College

Fall 2021      **Instructor**  
*Women in Other Cultures*  
Phoenix Community College

Summer 2021   **Instructor**  
*Buried Cities and Lost Tribes: New World*  
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Spring 2021    **Instructor**  
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Phoenix Community College

Spring 2019 **Instructor**  
*Buried Cities and Lost Tribes: New World*  
Phoenix Community College

Spring 2019 **Instructor**  
*Women in Other Cultures*  
Phoenix Community College

Fall 2018 **Instructor**  
*Buried Cities and Lost Tribes: Old World*  
Phoenix Community College

Fall 2018 **Instructor**  
*Buried Cities and Lost Tribes: Old World*  
Phoenix Community College

Spring 2018 **Instructor / Supervisor**  
*School of Human Evolution and Social Change Research Internship*  
Arizona State University

Fall 2017 **Instructor**  
*Humans and the Environment*  
Osher Lifelong Learning Institute, Arizona State University

Fall 2017 **Instructor / Supervisor**  
*School of Human Evolution and Social Change Research Internship*  
Arizona State University

- Spring 2016 **Instructor / Supervisor**  
*School of Human Evolution and Social Change Research Internship*  
 Arizona State University
- Fall 2015 **Instructor / Supervisor**  
*School of Human Evolution and Social Change Research Internship*  
 Arizona State University

## Field Schools

- Summer 2016 **Lecturer and Field Instructor**  
*East Asia Summit International Field School, Koh Ker, Cambodia*  
 The Institute of Southeast Asian Studies, Yusof Ishak Institute
- Winter 2015 **Lecturer and Field Instructor**  
*East Asia Summit International Field School, Koh Ker, Cambodia*  
 The Institute of Southeast Asian Studies, Yusof Ishak Institute
- Summer 2012 **Teaching Assistant**  
*Mogollon Prehistoric Landscapes Project (MPLP), Truth or Consequences, New Mexico*  
 Arizona State University

## RESEARCH EXPERIENCE

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### Project Roles

	<b>Role</b>	<b>Project</b>
2020 – Pres.	<i>Co-Lead Investigator</i>	Lidar Initiative for Southeast Asia (LISA)
2019-Pres.	<i>Lead Investigator</i>	Koh Ker Archaeological Project (KKAP)
2017-Pres.	<i>Co-Lead Investigator</i>	Cambodian Archaeological Lidar Initiative (CALI)
2013-Pres.	<i>Research Associate</i>	Greater Angkor Project (GAP)
2013-Pres.	<i>Research Associate</i>	Khmer Archaeology Lidar Consortium (KALC)
2012-2017	<i>Laboratory Coordinator</i>	Easter Mimbres Archaeological Project (EMAP), Arizona State University

### Fieldwork

	<b>Role</b>	<b>Fieldwork</b>
2021	<i>Director</i>	Archaeological and Geophysical investigations at Koh Ker, Cambodia <i>Koh Ker Archaeological Project (KKAP)</i>

2021	<i>co-Director</i>	Lidar and ground penetrating radar acquisition over Wat Phu, Laos <i>Lidar Initiative for Southeast Asia (LISA)</i>
2019 (Dec.)	<i>Director</i>	Archaeological and Geophysical investigations at Koh Ker, Cambodia <i>Koh Ker Archaeological Project (KKAP)</i>
2019 (March)	<i>Director</i>	Archaeological and Geophysical investigations at Koh Ker, Cambodia <i>Koh Ker Archaeological Project (KKAP)</i>
2019 (April)	<i>Director</i>	Lidar Survey and Ground Verification at Sambor Prei Kuk, Cambodia <i>Cambodian Archaeological Lidar Initiative (CALI)</i>
2017 (Dec.)	<i>Director</i>	Ground Penetrating Radar Investigations at Angkor Thom, Cambodia <i>Greater Angkor Project (GAP)</i>
2017 (Dec.)	<i>Director</i>	Ground Verification of Temple Sites at Angkor, Cambodia <i>Greater Angkor Project (GAP)</i>
2016 (Dec.)	<i>Director</i>	Ground Penetrating Radar Investigations at the Northern Chute at Koh Ker, Cambodia <i>Khmer Archaeology Lidar Consortium (KALC)</i>
2016 (Dec.)	<i>Director</i>	Ground Verification of Temple Sites at Angkor, Cambodia <i>Greater Angkor Project (GAP)</i>
2015 (Dec.)	<i>co-Director</i>	Excavations of the Northern Chute at Koh Ker, Cambodia <i>Khmer Archaeology Lidar Consortium (KALC)</i>
2014	<i>Field Technician</i>	Pedestrian Survey of the Water Management Features of Koh Ker, Cambodia <i>Khmer Archaeology Lidar Consortium (KALC)</i>
2013	<i>Field Technician</i>	South African Coast Paleoclimate, Paleoenvironment, Paleoecology, Paleoanthropology Project and Mossel Bay Archaeological Project (SACP4/MAP), ASU, Mossel Bay, South Africa

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## **PUBLIC OUTREACH AND MEDIA APPEARANCES**

<b>Role</b>	<b>Service</b>
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2022	<i>Expert contributor</i>	Live stream and watch party of “Jungle Empires,” on Twitter Spaces with Moments in History NFT.
2022	<i>Expert contributor</i>	“Twitter Spaces with Dr. Sarah,” Moments in History NFT.
2022	<i>Expert contributor</i>	“Jungle Empires,” <i>Discovery Science Plus</i> , Two-hour special on the Cambodian Archaeological Lidar Initiative.
2022	<i>Interview</i>	Interview for <i>Wissenschaft im Brennpunkt (Science in Focus)</i> , German public radio
2021	<i>Lead author</i>	“A metropolis arose in medieval Cambodia – new research shows how many people lived in the Angkor Empire over time” <i>The Conversation</i> .
2020	<i>Expert contributor</i>	“Ancient China from Above with Dr. Allan Maca and Dr. Sarah Klassen, Archaeologists in Quarantine,” <i>Behind the Trowel</i> , YouTube Livestream.
2020	<i>Lead author</i>	“How Kings Created Angkor Wat – Then Lost it,” <i>Sapiens: Anthropology Magazine</i> .
2020	<i>Expert contributor</i>	“Ancient China from Above,” <i>The National Geographic Channel</i> .
2019	<i>Lead author</i>	“Reading Between the Lines: Ancient Color Codes and Evidence of Inter-Societal Complementarity,” <i>Sapiens: Anthropology Magazine</i> .
2019	<i>Expert contributor</i>	“LIDAR in Cambodia with Dr. Sarah Klassen,” <i>The ArchaeoTech Podcast</i> .
2019	<i>Expert contributor</i>	“Chasing the Equinox.” <i>The National Geographic Channel</i> .
2019	<i>Expert contributor</i>	“TTB 043: Archaeological Exploration in Cambodia,” <i>The Travelers Blueprint Podcast</i> .
2018	<i>Expert contributor</i>	“How Bad Karma and Bad Engineering Doomed an Ancient Cambodian Capital: Never doubt the power of the monsoon,” by Megan Gannon in <i>Atlas Obscura</i> .

## PROFESSIONAL SERVICE

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Have done scientific article reviews for *Journal of Anthropological Archaeology*, *Plos One*, *World Archaeology*, *Journal of Archaeological Sciences*, and *Journal of Archaeological Research*.

## Book Reviews

Ancient Southeast Asia. JOHN NORMAN MIKSIC and GEOK YIAN GOH. 2017. Routledge, London. For *American Antiquity* by **Klassen, S.**

	<b>Role</b>	<b>Service</b>
2020-present	Board Member	<i>Journal of Impact Archaeology</i>
2018-2019	Program Committee	Society for American Archaeology 84 <sup>th</sup> Annual Meeting, Albuquerque, NM
2016	Volunteer	Society for American Archaeology 81 <sup>th</sup> Annual Meeting, Orlando, FL
2012-2015	Grant Reviewer	The Graduate and Professional Student Association, ASU, Tempe, AZ
2015	Volunteer	Society for American Archaeology 80 <sup>th</sup> Annual Meeting, San Francisco, CA
2014	Volunteer	Society for American Archaeology 79 <sup>th</sup> Annual Meeting, Austin, TX
2013	Volunteer	Society for American Archaeology 78 <sup>th</sup> Annual Meeting, Honolulu, HI
2012-2013	Treasurer	Association of All Graduate Students, ASU, Tempe, AZ
2012	Volunteer	Society for American Archaeology 77 <sup>th</sup> Annual Meeting, Memphis, TN

## PROFESSIONAL MEMBERSHIPS

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2018 – Pres.	American Anthropological Association
2018 – Pres.	Association of Mainland Southeast Asia Scholars
2018 – Pres.	Society of Economic Anthropology
2011 – Pres.	Society for American Archaeology
2018	Graduate Women in Science

## PROFESSIONAL EXPERIENCE

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2018            *Digital Data Curator*    Digital Antiquity, Tempe, AZ  
2018            *Archaeologist*                    Arizona State Parks and Trails, Phoenix, AZ  
2011 - 2012    *Digital Data Curator*    Digital Antiquity, Tempe, AZ

## REFERENCES

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Ben Nelson  
Associate Director and Professor, School of Human Evolution and Social Change  
Arizona State University  
SHESC 233 P.O. Box 872402  
Tempe, AZ 85287-2402  
Phone: (480) 727-0565  
bnelson@asu.edu

Charles Redman  
Founding Director, School of Sustainability  
School of Sustainability, PO Box 875502  
Arizona State University  
Tempe, AZ 85287-5502  
Phone: (480) 965-2923  
charles.redman@asu.edu

Damian Evans  
Research Fellow  
École française d'Extrême-Orient  
Siem Reap, Cambodia  
Phone: +33682357568  
damian.evans@efeo.net

Roland Fletcher  
Professor of Theoretical and World Archaeology  
A22 – Old Teachers' College  
The University of Sydney  
Phone: +61 2 9351 7813  
Roland.fletcher@sydney.edu.au

Kyle Latinis  
Research Fellow, Field School Director  
Nalanda – Sriwijaya Centre  
ISEAS – Yusof Ishak Institute  
Singapore  
Phone: 6778 0955  
David\_kyle\_latinis@iseas.edu.sg