

**CURRICULUM VITAE**  
**Andrea L. Torvinen**

February 6, 2020

<b>Address</b>	School of Human Evolution & Social Change Arizona State University Tempe, AZ 85287-2402	<b>E-mail Office</b>	<u><a href="mailto:Andrea.Torvinen@asu.edu">Andrea.Torvinen@asu.edu</a></u> Matthews Center 207
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**Education**

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2018 Ph.D. in Anthropology (Archaeology), Arizona State University  
2009 M.A. in Anthropology (Archaeology), Arizona State University  
2007 B.A. in Anthropology, Albion College  
2007 B.A. in Geology, Albion College

**Professional Appointments**

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2019-present Postdoctoral Research Associate, La Quemada-Malpaso Valley Archaeological Project, School of Human Evolution and Social Change, Arizona State University  
2019 Anthropology Adjunct Faculty, Social & Behavioral Sciences, Estrella Mountain Community College

**Research Interests**

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Social identity and material culture; collective action theory; archaeology of Northwest Mexico, Mesoamerica, U.S. Southwest, and Epiclassic Period; ceramic petrography and compositional analysis; exchange networks; ritual economy; social diversity and resilience; GIS

**Publications**

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Peer-Reviewed Journal Articles:

2020 **Torvinen, Andrea** and Ben A. Nelson. Refinement of the Chronology of La Quemada, Zacatecas, Mexico, Using Ceramic Seriation. *Latin American Antiquity*. DOI: [10.1017/laq.2019.106](https://doi.org/10.1017/laq.2019.106)

2019 Fisher, Christopher T., Anna S. Cohen, Rodrigo Solinis-Casparius, Florencia L. Pezzutti, Jason Bush, Marion Forest, and **Andrea Torvinen**. A Typology of Ancient Purépecha (Tarascan) Architecture from Angamuco, Michoacán, Mexico. *Latin American Antiquity* 30(3):510-528. DOI: [10.1017/laq.2019.50](https://doi.org/10.1017/laq.2019.50)

- 2016 Hegmon, Michelle, Jacob Freeman, Keith W. Kintigh, Margaret C. Nelson, Sarah Oas, Matthew A. Peeples, and **Andrea Torvinen**. "Marking and Making Difference: Representational Diversity in the US Southwest." *American Antiquity* 81(2):253-272.
- 2016 Nelson, Margaret C., Scott E. Ingram, Andrew J. Dugmore, Richard Streeter, Matthew A. Peeples, Thomas H. McGovern, Michelle Hegmon, Jette Arneborg, Keith W. Kintigh, Seth Brewington, Katherine A. Spielmann, Ian A. Simpson, Colleen Strawhacker, Laura E.L. Comeau, **Andrea Torvinen**, Christian K. Madsen, George Hambrecht, and Konrad Smiarowski. "Climate Challenges, Vulnerabilities, and Food Security." *Proceedings of the National Academy of Sciences U.S.A.* 113(2):298-303. DOI: [10.1073/pnas.1506494113](https://doi.org/10.1073/pnas.1506494113)
- 2014 Freeman, Jacob C., John M. Anderies, **Andrea Torvinen**, and Ben A. Nelson. "Crop Specialization, Exchange and Robustness in a Semi-arid Environment." *Human Ecology* 42(2):297-310. DOI: [10.1007/s10745-013-9638-0](https://doi.org/10.1007/s10745-013-9638-0)

#### Peer-Reviewed Book Chapters:

- 2017 Freeman, Jacob, **Andrea Torvinen**, Ben A. Nelson, and John M. Anderies. "Diversity, Reciprocity, and the Emergence of Equity-Inequity Trade-offs." In *The Give and Take of Sustainability: Anthropological Perspectives on Tradeoffs*, edited by M. Hegmon, pp. 26-51. University of Cambridge Press: Cambridge.
- 2016 **Torvinen, Andrea**, Michelle Hegmon, Ann P. Kinzig, Margaret C. Nelson, Matthew A. Peeples, Karen G. Schollmeyer, Colleen Strawhacker, and Laura Swantek. "Transformation without Collapse: Two Cases from the U.S. Southwest." In *Beyond Collapse: Archaeological Perspectives on Resilience, Revitalization, and Transformation in Complex Societies*, edited by R. K. Fauseit, pp. 262-286. Southern Illinois University Press: Carbondale.

#### Manuscripts in Preparation:

- N.d. **Torvinen, Andrea**. Local Variants or Imports? Defining Petrographic Fabrics Among Regional Ceramic Traditions at La Quemada, Zacatecas, Mexico. Manuscript in preparation for submission to *Journal of Archaeological Science*.

### **Grants and Funding Received**

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#### External Research Grants

- 2018 Doctoral Dissertation Research Improvement Award, Archaeology Program, National Science Foundation, \$21,254
- 2013 Workshop Grant, Wenner-Gren Foundation, \$20,000
- 2010 Grant-in-Aid of Research, Sigma Xi Local Chapter, Arizona State University, \$400

#### Minor Internal Research Grants

- 2016 Research Grant, ASU School of Human Evolution and Social Change, \$3,000
- 2016 Research Grant, ASU Graduate & Professional Student Association, \$2,000
- 2014 Research Grant, ASU Graduate & Professional Student Association, \$1,564

## **Fellowships, Scholarships, and Other Awards**

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### Fellowships and Scholarships

- 2016-2017     Dissertation Writing Fellowship, ASU School of Human Evolution & Social Change  
2007-2010     Doctoral Enrichment Fellowship, Arizona State University  
2003-2007     Presidential Scholarship, Albion College  
2003-2007     Diversity Scholarship, Albion College  
2003-2007     Tribal Scholarship, Sault Ste. Marie Tribe of Chippewa Indians  
2003-2005     Michigan Merit Award, State of Michigan  
2004           Michigan Tuition Grant, State of Michigan  
2003           Staff Scholarship, Dondero High School

### Awards and Honors

- 2018           CLAS Graduate Excellence Award, Arizona State University  
2017           Student Membership Award, Archaeology Division of the AAA  
2017           CLAS Graduate Excellence Award, Arizona State University  
2016           Student Membership Award, Archaeology Division of the AAA  
2014           CLAS Graduate Excellence Award, Arizona State University  
2010           Honorable Mention, Ford Foundation Pre-Doctoral Diversity Fellowship Program  
2009           Honorable Mention, NSF Graduate Research Fellowship Program  
2008           Honorable Mention, NSF Graduate Research Fellowship Program  
2007           Phi Beta Kappa National Academic Honor Society  
2004           Alpha Lambda Delta National Honor Society for First Year Students

## **Invited Talks**

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- 2019           Social Identification and the Capacity for Collective Action at La Quemada, Zacatecas, Mexico (600-800 CE). May 28<sup>th</sup>, Archéologie des Amériques (UMR 8096), Université Paris 1 – Panthéon-Sorbonne, Paris, France.  
2009           Intraregional Interaction through Ceramic Exchange. May 19<sup>th</sup>, Unidad Académica de Antropología, Universidad Autónoma de Zacatecas, Zacatecas, Mexico.

## **Conference Participation**

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### Symposia/Workshops Organized

- 2019           **Co-chair** (with Loni Kantor and Nora Rodriguez Zariñán), *Journeying to the South, from Mimbres to Malpaso and Beyond: Papers in Honor of Ben A. Nelson / Peregrin角度 al sur, de Mimbres a Malpaso y más allá: aportaciones en honor de Ben A. Nelson*. Symposium organized for the 84<sup>th</sup> Annual Meeting of the Society for American Archaeology, April 10-14, Albuquerque, NM.  
2018           **Chair**, *Ceramic Petrographers in the Americas: Promoting the advancement and application of petrography in archaeology*. Poster Symposium organized for the 83<sup>rd</sup>

- Annual Meeting of the Society for American Archaeology, April 11-15, Washington, D.C.
- 2017 **Organizer and Chair**, *The Application of Collective Social Identification Theory to Archaeological Case Studies*. Symposium organized for the 116<sup>th</sup> Annual Meeting of the American Anthropological Association, November 29-December 3, Washington, D.C.
- 2016 **Chair**, *People, Pottery, and Petrography: Recent research in ceramic petrography*. Poster Symposium organized for the 81<sup>st</sup> Annual Meeting of the Society for American Archaeology, April 6-10, Orlando, FL.
- 2015 **Co-chair** (with Nora Rodriguez Zariñán), *Advances in the archaeology of West Mexico and the surrounding areas*. Symposium organized for the 80<sup>th</sup> Annual Meeting of the Society for American Archaeology, April 15-19, San Francisco, CA.
- 2014 **Co-organizer** (with Ben A. Nelson), *Ceramic Metatypology for Northwest Mexico*. Workshop organized as part of the Wenner-Gren Foundation Workshop Grant Program, June 13, Guadalajara, JAL.
- 2014 **Co-chair** (with Jacob Freeman, Colleen Strawhacker, and Seth Brewington), *Archaeological Studies of the Long-Term Resilience of Food Supplies to Climatic Shocks in Arid North America and the North Atlantic*. Symposium organized for the 2014 Resilience Conference, May 4-8, Montpellier, France.
- 2014 **Co-chair** (with Nora Rodriguez Zariñán), *Recent archaeological research in North and West Mexico*. Symposium organized for the 79<sup>th</sup> Annual Meeting of the Society for American Archeology, April 23-27, Austin, TX.
- 2014 **Co-organizer** (with Ben A. Nelson), *Ceramic Metatypology for Northwest Mexico*. Workshop organized as part of the Wenner-Gren Foundation Workshop Grant Program, April 22-23, Austin, TX.
- 2010 **Co-organizer and co-chair** (with Bridget Zavala), *Recent investigations on the archaeology of Northwest Mexico*. Symposium organized for the 75<sup>th</sup> Annual Meeting of the Society for American Archaeology, April 14-18, St. Louis.

#### Papers Presented

- 2019 *Investigación etnoarqueológica de la práctica ritual en at La Quemada, Zacatecas, Mexico*. Paper presented at the II Coloquio de Antropología e Historia de Durango y áreas circunvecias, November 21-23, Durango, Dgo.
- 2019 *Social Identification and Collective Action at La Quemada, Zacatecas, Mexico*. Paper presented at the 84<sup>th</sup> Annual Meeting of the Society for American Archaeology, April 10-14, Albuquerque, NM.
- 2017 *Evaluating shifts in categorical identification along the Epiclassic northern frontier of Mesoamerica, A.D. 500-900*. Paper presented at the 116<sup>th</sup> Annual Meeting of the American Anthropological Association, November 29-December 3, Washington, D.C.

- 2017 *Afinamientos a la cronología de La Quemada y sus implicaciones para la identidad colectiva en la frontera septentrional de Mesoamérica.* Paper presented at the XXXI Mesa Redonda de la Sociedad Mexicana de Antropología, October 2-6, Ensenada, Baja California. **A. Torvinen** and B. Nelson.
- 2017 *Establishing the nature and scale of ritual behavior at La Quemada, Zacatecas, Mexico.* Paper presented at the 82<sup>nd</sup> Annual Meeting of the Society for American Archaeology, March 29-April 2, Vancouver, BC.
- 2016 *Integrating Ceramic Data through Metatypology: An Example from Northwest Mexico.* Paper presented in the Ceramic Ecology session of the 115<sup>th</sup> Annual Meeting of the American Anthropological Association, November 16-20, Minneapolis, MN. **A. Torvinen**, C. Pomédio, B. Nelson, N. Rodriguez Zariñán.
- 2015 *Descifrando los componentes de las cerámicas pseudo-cloisonné del occidente de México, por espectroscopía de infrarrojo.* Paper presented at the Segundo Congreso Internacional el Patrimonio Cultural y las Nuevas Tecnologías, October 12-16. M. Vega, B. Nelson, **A. Torvinen**, R. Molina.
- 2015 *Refinement of the La Quemada Chronology and its Implications for Inter-polity Interaction along the Northern Frontier of Mesoamerica.* Paper presented at the 80<sup>th</sup> Annual Meeting of the Society for American Archaeology, April 15-19, San Francisco, CA. **A. Torvinen**, B. Nelson, S. Kulow.
- 2014 *Decoración pseudo-cloisonné en La Quemada: identidad, intercambio, tecnología y práctica ritual.* Paper presented at the Taller de Cerámica Pseudo-cloisonné de Norte y Oeste México, Teúl de Gonzalez Ortega, Zac. B. Nelson, N. Rodriguez Zariñán, N. Strazicich, **A. Torvinen**, S. Kulow.
- 2014 *Developing regional chronologies using ceramic metatypologies: An example from Northwest Mexico.* Paper presented at the 79<sup>th</sup> Annual Meeting of the Society for American Archaeology, April 23-27, Austin, TX. **A. Torvinen**, B. Nelson, C. Pomedio, N. Rodriguez.
- 2013 *Testing the Application of Adaptive Governance of Common Pool Resources: An Archaeological Perspective.* Paper presented at the Global Human Ecodynamics Alliance 2013 Open Workshop in Sustainability Science and Education, November 4-6, College Park, MD. **A. Torvinen** and G. Snitker.
- 2013 *La Cerámica Decorada del Valle de Malpaso, Zacatecas.* Presentation at the Taller de Cerámica de Norte y Oeste México, June 13-14, Teúl de Gonzalez Ortega, Zac. **A. Torvinen**, B. Nelson, V. Schiavitti and N. Rodriguez.
- 2013 *Completed Long-Term Experiments? Mobilizing Archaeology in the Anthropocene.* Paper presented at the Theoretical Archaeology Group, May 9-11, Chicago, IL. T. McGovern, J. Arneborg, S. Brewington, L. Comeau, A. Dugmore, G. Hambrecht, K. Kintigh, C. Madsen, M. Hegmon, S. Ingram, M. Nelson, R. Oram, M. Peeples, B. Shears, I. Simpson, K. Smiarowski, G. Snitker, K. Spielmann, C. Strawhacker, **A. Torvinen**, O. Vésteinsson.

- 2013 *Transformation Without Collapse: Two Cases from the American Southwest*. Paper presented at the 29<sup>th</sup> Annual Southern Illinois University Visiting Scholar Conference, March 1-2, Carbondale, IL. **A. Torvinen**, M. Hegmon, A. Kinzig, M. Nelson, M. Peeples, K. Schollmeyer, C. Strawhacker, L. Swantek.
- 2012 *Testing the Application of Adaptive Governance of Common Pool Resources: An Archaeological Perspective*. Paper presented at the CUNY Human Ecodynamics Research Center 2012 Open Workshop in Sustainability Science and Education, October 15, New York City, NY. **A. Torvinen**, G. Snitker and R. Stotts.
- 2012 *The Rituality of Deposits: An Ethnoarchaeological Approach*. Paper presented at the 77<sup>th</sup> Annual Meeting of the Society for American Archaeology, April 18-22, Memphis, TN.
- 2011 *The Integration and Accessibility of Open Spaces in Sacapu Angamucu, Michoacán: A Space Syntax Approach*. Paper presented at the 76<sup>th</sup> Annual Meeting of the Society for American Archaeology, March 30-April 3, Sacramento. **A. Torvinen** and C. Fisher.
- 2011 *Analyzing the Impact of Crop Specialization in a Maize-Agave Integrated Prehispanic Market System in Northern Mexico*. Paper presented at Resilience 2011: Second International Science and Policy Conference, March 11-16, Tempe. J. Freeman, **A. Torvinen**, J. Anderies, B. Nelson and A. Kinzig.
- 2010 *Multi-Scalar Analysis of Ceramic Exchange at a Regional Center in Northwest Mexico*. Paper presented at the 75<sup>th</sup> Annual Meeting of the Society for American Archaeology, April 14-18, St. Louis.
- 2005 *Archaeozoology at New Philadelphia, Pike County, Illinois*. Paper presented at the 49<sup>th</sup> Annual Conference in Illinois Archaeology (Theme: Ethnic and Racial Identities in the Archaeological Record), sponsored by the Illinois Archaeological Survey, Inc., September 17, Champaign. T. Martin and **A. Torvinen**.

#### Posters Presented

- 2020 *A Monte Carlo approach to estimating plausible ceramic similarity values from fabric characterizations*. Poster to be presented at the 85<sup>th</sup> Annual Meeting of the Society for American Archaeology, April 16-20, Austin, TX. **A. Torvinen** and M. Peeples.
- 2018 *Defining petrographic fabrics among regional wares at La Quemada, Zacatecas, Mexico / Definiendo los grupos petrográficos entre los lozas regionales a La Quemada, Zacatecas, Mexico*. Poster presented at the 83<sup>rd</sup> Annual Meeting of the Society for American Archaeology, April 11-15, Washington, D.C.
- 2018 *Ceramic Petrographers in the Americas: An Introduction to our Mission and Goals / Comunidad Americana de Petrografía Cerámica: Una Introducción a nuestro Misión y Objetivos*. Poster presented at the 83<sup>rd</sup> Annual Meeting of the Society for American Archaeology, April 11-15, Washington, D.C. Y. Tonoike, **A. Torvinen**, M. Ownby.

- 2016 *Petrographic analysis of decorated ceramic types from La Quemada, Zacatecas, Mexico.* Poster presented at the 81<sup>st</sup> Annual Meeting of the Society for American Archaeology, April 6-10, Orlando, FL.
- 2013 *Assessing the Role of Diversity in the Resilience of Social-Ecological Systems in the US Southwest.* Poster presented at the 78<sup>th</sup> Annual Meeting of the Society for American Archaeology, April 3-7, Honolulu, HI. **A. Torvinen**, M. Hegmon, M. Peeples, W. Russell, K. Schollmeyer, L. Swantek.
- 2013 *Testing the Application of Adaptive Governance of Common Pool Resources: An Archaeological Perspective.* Poster presented at the 78<sup>th</sup> Annual Meeting of the Society for American Archaeology, April 3-7, Honolulu, HI. G. Snitker, **A. Torvinen**, R. Stotts.
- 2010 *Ring Around the Kula: An Agent-Based Modeling Approach to Network Formation.* Poster presented at the 11<sup>th</sup> Annual Graduates in Earth, Life, and Social Sciences Symposium, February 26, Arizona State University, Tempe. R. Stotts and **A. Torvinen**.
- 2010 *A Multi-dimensional Analysis of Exchange and Violence in West-Central New Mexico / Un Análisis Multidimensional sobre el Intercambio y Violencia en el Parte Oeste-central de Nuevo México.* Poster presented at the 2010 Southwest Symposium, January 8-9, University of Sonora, Hermosillo, Sonora. **A. Torvinen** and M. Peeples.
- 2009 *An Analysis of Travel Costs among Proposed Trading Partners in Northern Mexico.* Poster presented at the 74<sup>th</sup> Annual Meeting of the Society for American Archaeology, April 22-26, Atlanta.

## Teaching Experience

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### **Adjunct Instructor**, Estrella Mountain Community College, Social & Behavioral Science

- 2019 ASB 211: Women in Other Cultures  
 2019 ASB 222: Buried Cities, Lost Tribes: Old World  
 2019 ASB 223: Buried Cities, Lost Tribes: New World

### **Online Teaching Associate**, ASU, School of Human Evolution & Social Change

- 2017 ASB 222: Buried Cities, Lost Tribes. Instructor: Dr. Charles Perreault  
 2016 ASB 222: Buried Cities, Lost Tribes. Instructor: Dr. Charles Perreault  
 2015 ASB 222: Buried Cities, Lost Tribes. Instructor: Dr. Michael E. Smith

### **Graduate Teaching Associate**, ASU, School of Human Evolution & Social Change

- 2016 ASB 223: Aztecs, Incas, and Mayas. Instructor: Dr. Michael E. Smith  
 2011 ASB 252: Anthropology of Sports. Instructor: Dr. Leif Jonsson  
 2010 ASB 337: Prehispanic Civilizations of Mesoamerica. Instructor: Dr. Ben A. Nelson  
 2009 ASB 337: Prehispanic Civilizations of Mesoamerica. Instructor: Dr. Barbara Stark  
 2009 ASB 394: Rules, Games & Society. Instructor: Dr. John M. Anderies  
 2007 ASB 335: Prehistory of the Southwest. Instructor: John Hooper

### **Graduate Teaching Associate**, Arizona State University, Barrett Honors College

2011 HON/SOS 494: Community of Undergraduate Research Scholars (COURS) Seminar. Instructor: Dr. Margaret C. Nelson

**Undergraduate Teaching Assistant**, Albion College, Department of Geology

2007 GEOL 101: Introductory Geology. Instructor: Dr. Beth Lincoln

2006 GEOL 101: Introductory Geology. Instructor: Dr. Thom Wilch

2006 GEOL 101: Introductory Geology. Instructor: Dr. Beth Lincoln

## Research Experience

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2013-present **Project Co-Director**, *Ceramic Metatypology for Northwest Mexico*. Wenner-Gren Foundation Workshop Grant Program. A. L. Torvinen and B. A. Nelson, dir. Tempe, AZ, Austin, TX and Guadalajara, JAL, conceptualized the research design for developing a regional chronology using local ceramic typologies, directed the data collection and analysis of local ceramic typologies using the Digital Archaeological Record, and led two collaborative workshops that finalized a regional ceramic metatypology. 4 years.

2017-2018 **Graduate Research Associate**, *Mogollon Prehistoric Landscapes Project*. M. Nelson, dir. Tempe, AZ, organization and digitization of survey and excavation documentation from archaeological research conducted in the Mogollon region of southwest New Mexico within the Digital Archaeological Record online repository. 9 months.

2017 **Invited Participant**, *Ceramic Petrographers in the Americas (CPA) Workshop*. M. Ownby, I. Druc, D. Killick, and S. Eckert, dir. Tucson, AZ, inaugural workshop meeting at the University of Arizona involving discussions of methodology, research applications of petrography to archaeological projects, and future endeavors. 3 days.

2015 **Graduate Research Associate**, *Long-term Vulnerability and Transformation Project*. National Science Foundation Coupled Natural-Human Systems Program. M. C. Nelson, dir. Tempe, AZ, assisted in the collection and analysis of data related to social diversity variables in case studies of social-ecological systems from the American Southwest and Northern Mexico, and the analysis of data associated with the presence of long-distance connections between the US Southwest and Mesoamerica. 4 months.

2014-2015 **Graduate Research Associate**, *Long-term Vulnerability and Transformation Project*. National Science Foundation Coupled Natural-Human Systems Program. M. C. Nelson, dir. Tempe, AZ, assisted in data collection and development of a dynamical systems model designed to investigate the relationship between social and ecological configurations in the Cibola region, and the analysis of data associated with the presence of long-distance connections between the US Southwest and Mesoamerica. 9 months.

2014 **Crew Member**, *North Atlantic Biocultural Organisation: Skútustaðir Archaeological Project*. M. Hicks and A. Friðrikson, dir. Mývatn, Northern Iceland, Lándnam-Historic period, test trenching of a pagan burial site, midden excavation and lab analysis. 3 weeks.



- 2014 **Graduate Research Associate**, *Connections and Impacts of North and West Mexican Cultures*, B. A. Nelson, dir. Tempe, AZ, collection and analysis of data regarding a set of interaction markers that demonstrate connections between the US Southwest and Mesoamerica. 6 weeks.
- 2014 **Invited Participant**, *Collaborative working group meeting between the North Atlantic Biocultural Organization (NABO) and the Long-Term Vulnerability and Transformation Project (LTVTP)*. M. C. Nelson and T. Kohler, dir. Santa Fe, NM, NSF CRN supported collaborative meeting. 2 days.
- 2013-2014 **Graduate Research Associate**, *Long-term Vulnerability and Transformation Project*. National Science Foundation Coupled Natural-Human Systems Program. M. C. Nelson, dir. Tempe, AZ, assisted in research design, data collection and analysis of social connectivity variables associated with case studies of social-ecological systems from the US Southwest and Northern Mexico. 9 months.
- 2013 **Crew Member**, *North Atlantic Biocultural Organisation: Skútustaðir Archaeological Project*. M. Hicks and A. Friðrikson, dir. Mývatn, Northern Iceland, Lándnam-Historic period, midden excavation and lab analysis. 3 weeks.
- 2013 **Invited Participant**, *Collaborative working group meeting between the North Atlantic Biocultural Organization (NABO) and the Long-Term Vulnerability and Transformation Project (LTVTP)*. T. H. McGovern and M. C. Nelson, dir. Akureyri, Iceland, Wenner-Gren Foundation supported collaborative meeting. 2 days.
- 2013 **Invited Participant**, *Taller de Cerámica de Norte y Oeste México*. P. Jiménez Betts and L. Solar, dir. Teúl González de Ortega, Zac. 2 days.
- 2012-2013 **Graduate Research Associate**, *Long-term Vulnerability and Transformation Project*. National Science Foundation Coupled Natural-Human Systems Program. M. C. Nelson, dir. Tempe, AZ, assisted in research design, data collection and analysis of social diversity variables observed at the household-, site- and regional-level in case studies of social-ecological systems from the American Southwest and Northern Mexico. 9 months.
- 2012 **Invited Participant**, *Collaborative working group meeting between the North Atlantic Biocultural Organization (NABO) and the Long-Term Vulnerability and Transformation Project (LTVTP)*. T. H. McGovern and K. A. Spielmann, dir. San Diego, CA, Wenner-Gren Foundation supported collaborative meeting. 4 days.
- 2012 **Program Assistant**, *Mogollon Prehistoric Landscapes Project*. K. G. Schollmeyer, dir. Truth or Consequences, NM, supervised undergraduate students during excavation, lab analysis, interpretation of the archeological record and processing flotation samples. 6 weeks.
- 2012 **Graduate Research Associate**, *Long-term Vulnerability and Transformation Project*. National Science Foundation Coupled Natural-Human Systems Program. M. C. Nelson, dir. Tempe, AZ, assisted in research design, data collection and analysis, and model building related to the degree of conformity

and integration observed at the household-, site- and regional-level in case studies of social-ecological systems from the American Southwest and Northern Mexico. 4 months.

- 2011 **Invited Participant**, *Collaborative working group meeting between the North Atlantic Biocultural Organization (NABO) and the Long-Term Vulnerability and Transformation Project (LTVTP)*. T. H. McGovern and M. C. Nelson, dir. Edinburgh, National Science Foundation supported collaborative meeting at the University of Edinburgh, Scotland. 2 days.
- 2011 **Crew Member**, *Legacies of Resilience: The Lake Pátzcuaro Basin Archaeological Project*. C. T. Fisher, dir. Pátzcuaro, Michoacán, Postclassic period, site survey, GIS, database management and lab analysis. 2 months.
- 2010 **Graduate Research Associate**, *Long-term Vulnerability and Transformation Project*. M. C. Nelson, dir. Tempe, AZ, assisted in the development and expansion of the mathematical modeling section in a proposal for continued funds from NSF. 4 months.
- 2010 **Crew Member**, *Legacies of Resilience: The Lake Pátzcuaro Basin Archaeological Project*. C. T. Fisher, dir. Pátzcuaro, Michoacán, Postclassic period, site survey, GIS, database management and lab analysis. 2 months.
- 2009 **Graduate Research Associate**, *La Quemada-Malpaso Valley Archaeological Project*. B. A. Nelson, dir. Zacatecas, Mexico, Epiclassic period, ceramic analysis, site visitation and sample collection. 2 months.
- 2008 **Archaeologist I**, *Gila River Indian Community Cultural Resource Management Department*. J. A. Darling, dir. Central AZ, assisted in the survey and excavation of sites located within GRIC. 3 months.
- 2008 **Graduate Research Assistant**, *La Quemada-Malpaso Valley Archaeological Project*. B. A. Nelson, dir. Zacatecas, Mexico, Epiclassic period, ceramic analysis, site visitation and sample collection. 2 weeks.
- 2006 **Field School Participant**, *NSF-REU Homol'ovi Undergraduate Research Opportunities Program*. L. C. Young, dir. Winslow, AZ, Southwest Pueblo IV period, use of mapping and remote sensing equipment, excavation techniques, sediment analysis (geomorphology), laboratory processing, basic knowledge of southwestern archaeology. Research project: The Little Colorado River and Its Effects on Past Communities. 6 weeks.
- 2005-2006 **Undergraduate Research Assistant**, *Department of Anthropology & Sociology, Albion College*. S. Satsuka, dir. Transcription of taped interviews from her research on Japanese tourism in the Canadian Rocky Mountains. 6 months.
- 2005 **Field School Participant**, *NSF-REU New Philadelphia Archaeological Project*. P. A. Shackel, dir. Barry & Springfield, IL, historic period, use of remote sensing equipment, excavation techniques, laboratory processing and analysis, float sample processing, macrobotanical and faunal analysis. Research project: Faunal Analysis of Feature #1. 10 weeks.

2002        **Student Participant**, *Center for American Archaeology Summer Camp*.  
Kampsville, IL, excavation, laboratory processing and flotation sample  
processing. 2 weeks.

### **Professional Service**

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2017-present    **Webmaster**, Ceramic Petrographers in the Americas.

2015-2018    **Student Member**, Committee on the Status of Women in Archaeology, Society  
for American Archaeology.

2014-2015    **Graduate Reader Program**, School of Human Evolution & Social Change  
Association of All Graduate Students, Arizona State University.

2013-2014    **Graduate Student Mentor**, School of Human Evolution & Social Change,  
Arizona State University.

2012-2013    **Graduate Student Representative**, Archaeology Faculty Search Committee,  
School of Human Evolution & Social Change, Arizona State University.

2009-2012    **Graduate Student Mentor**, School of Human Evolution & Social Change,  
Arizona State University. 3 years.

2011        **Volunteer**, Resilience 2011: Second International Science and Policy  
Conference, Tempe, AZ.

2009-2011    **Archaeology Approach Representative**, School of Human Evolution & Social  
Change Association of All Graduate Students, Arizona State University. 2 years.

2009-2010    **Volunteer**, Society for American Archaeology Annual Meeting, Atlanta, GA and  
St. Louis, MO. 2 years.

2009        **Research Grant Reviewer**, Graduate & Professional Student Association,  
Arizona State University.

2008-2009    **Secretary**, School of Human Evolution & Social Change Association of All  
Graduate Students, Arizona State University.

### **Professional Memberships**

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American Anthropological Association (AAA)  
Association for Women in Science (AWIS)  
Ceramic Petrographers in the Americas (CPA)  
Global Human Ecodynamics Alliance (GHEA)  
Society for American Archaeology (SAA)  
Society for Archaeological Science (SAS)