

# MARK GOLITKO, PHD – CURRICULUM VITAE

Assistant Professor  
Department of Anthropology  
University of Notre Dame  
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## SCHOLARLY INTERESTS

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Human-environment dynamics; social networks; biocultural diversity; violence; migration; Southwestern Pacific and European prehistory; museum anthropology; archaeological science; geoarchaeology; social network analysis; quantitative methods; Geographic Information Systems

## EDUCATION

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- 2010 Ph.D. (Anthropology), University of Illinois at Chicago  
Dissertation: *Warfare and Alliance Building during the Belgian Early Neolithic, late sixth Millennium BC*
- 2002 M.A. (Anthropology), University of Illinois at Chicago
- 1999 B.S. (History, with distinction), University of Wisconsin-Madison

## ACADEMIC AND SCIENTIFIC APPOINTMENTS

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- current *Assistant Professor*, University of Notre Dame Department of Anthropology
- current *Research Associate*, Field Museum of Natural History
- 2015-17 *Visiting Assistant Professor*, University of Notre Dame Department of Anthropology
- 2014-15 *Regenstein Research Scientist*, Field Museum of Natural History
- 2012-15 *Adjunct Assistant Professor*, University of Illinois at Chicago Department of Anthropology
- 2012 *Interim Laboratory Manager*, Field Museum Elemental Analysis Facility
- 2011-14 *Regenstein Postdoctoral Fellow*, Field Museum of Natural History
- 2010-11 *Postdoctoral Research Scientist/Collections Manager*, Field Museum of Natural History
- 2010 *Interim Laboratory Manager*, Field Museum Elemental Analysis Facility
- 2009 *Teaching Assistant*, University of Illinois at Chicago Department of Anthropology
- 2008-09 *Dean's Scholar*, University of Illinois at Chicago
- 2007-08 *Graduate Instructor*, University of Illinois at Chicago Department of Anthropology
- 2006-09 *Research Assistant*, Field Museum Elemental Analysis Facility
- 2006-07 *Lester Armour Graduate Fellow*, Field Museum of Natural History
- 2005-06 *Laboratory Assistant*, Field Museum of Natural History Elemental Analysis Facility
- 2005 *Teaching Assistant*, University of Illinois at Chicago Department of Anthropology
- 2004 *Research Assistant*, University of Illinois at Chicago Department of Anthropology
- 2002-03 *Graduate Fellow*, University of Illinois at Chicago
- 2002 *Tutor*, University of Illinois at Chicago Athletic Department
- 2000-03 *Teaching Assistant*, University of Illinois at Chicago Department of Anthropology
- 1996-99 *Laboratory Assistant*, X-ray Astrophysics Laboratory, University of Wisconsin-Madison Department of Physics

## EXTERNAL GRANTS AND FELLOWSHIPS

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- in prep NSF Archaeology Research Grant "*Holocene human-environment dynamics on the north coast of Papua New Guinea*" (\$110,000, PI)

- in review Wenner-Gren Post-PhD Research Grant “*The mid-Holocene record of northern coastal Papua New Guinea: combined archaeological and paleo-environmental investigations*” (\$19,775, PI)
- 2015 NSF REU Sites Grant “*The Bronze Age Koros off-Tell Archaeological Project (BAKOTA) Field School: Undergraduate Training in Fieldwork and Independent Research Reporting in European Archaeology*” (\$358,558, senior personnel, PIs J. Giblin & P. Duffy)
- 2012 NSF Archaeology Research Grant “*Archaeological and Environmental Investigations along the mid-Holocene shoreline near Aitape, northern Papua New Guinea*” (\$102,330, PI, co-PI J.E. Terrell)
- 2007 California State University Long Beach Institute for Integrative Research in Materials, Environments, and Societies (IIRMES) Visiting Researcher Grant, March 2007 “*Chemical Characterization of Modern and Prehistoric Ceramics from the North Coast of New Guinea by TOF-ICP-MS*” (\$2,000)
- 2006 Wenner-Gren Foundation Dissertation Fieldwork Grant 2006-2007 “*Chemical Characterization of Linienbandkeramik Ceramics from NE Belgium by ICP-MS*” (\$13,000)

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#### INTERNAL GRANTS AND FELLOWSHIPS

- in review Field Museum Elemental Analysis Facility NSF subsidy grant “*Analysis of Clays and Middle Bronze Age Ceramics from the Great Hungarian Plain by LA-ICP-MS*” (\$2050, PI)
- 2016 Notre Dame Teaching Beyond the Classroom Small Grant “*Tangible engagement with anthropological and archaeological theory and practice: A cultural excursion to the Field Museum of Natural History*” (\$1,405)
- 2009 UIC Graduate College Student Travel Award (\$150)
- 2008 UIC Dean’s Scholar Graduate Fellowship 2008-2009 (\$21,000)
- 2007 UIC Graduate College Student Travel Award (\$200)
- 2007 UIC Graduate Student Council Travel Award (\$300)
- 2006 Field Museum of Natural History Lester Armour Graduate Fellowship 2006-2007 (\$25,000)
- 2006 UIC Graduate College Student Travel Award (\$200)
- 2006 UIC Graduate Student Council Travel Award (\$300)
- 2002 UIC University Graduate Fellowship 2002-2003 (\$11,500)
- 2002 UIC Provost’s Award for Graduate Research, “*Trade Relations and Warfare along the Initial Agricultural Frontier in NE Belgium*” (\$3,000)

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#### AWARDS AND HONORS

- 2011 UIC Outstanding Thesis Award in the Behavioral and Social Sciences

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#### FIELD RESEARCH

- 2015-18 *Senior personnel* – BAKOTA project, eastern Hungary  
Ceramic analysis and geoarchaeology at the Bronze Age cemetery of Békés 103.
- 2011-17 *Principal investigator* - Sepik coast, northern Papua New Guinea  
“Archaeological and Geological investigations along the mid-Holocene shoreline near Aitape, northern Papua New Guinea”
- 2010 *Principal investigator* - Southwestern United States  
Obsidian survey and collection in northern Arizona and New Mexico
- 2002-08 *Co-director* - Hesbaye Region, Belgium  
“Village Specialization, Trade, and Warfare in early Neolithic Belgium”
- 2001 *Field assistant* - Cahokia Mounds, Collinsville, IL  
Ground Penetrating Radar survey of the Mississippian period fortifications
- 2001 *Excavator* - Marquette Mission Site, St. Ignace, MI  
Excavation and analysis at a 17<sup>th</sup> century Huron village site

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#### LABORATORY AND VISITING RESEARCH

- 2005- *The Field Museum Elemental Analysis Facility (EAF)*  
LA-ICP-MS, XRF, and petrographic analysis of archaeological and geological samples

- 2016 *University of Konstanz Department of Computer & Information Science*  
Visiting researcher, network applications in archaeology
- 2007 *California State University Long Beach Institute for Integrative Research in Materials, Environments, and Societies (IIRMES)*  
Visiting researcher, TOF-ICP-MS analysis of ceramics from the north coast of New Guinea
- 2003-04 *University of Illinois at Chicago Research Resources Center*  
SEM-EDS analysis of *Linienbandkeramik* ceramics

**BOOKS**

- 2016 DUSSUBIEUX, L., **M. GOLITKO**, & B. GRATUZE (eds). *Recent Advances in Laser Ablation ICP-MS for Archaeology*. Natural Science in Archaeology Series. Springer Verlag, Berlin.
- 2015 **GOLITKO, M.** *LBK realpolitik: An archaeometric study of conflict and social structure in the Belgian early Neolithic*. Archaeopress Archaeology Series. Archaeopress, Oxford. (Reviewed in *Antiquity* by P. Crombé, 2/16)
- in prep **GOLITKO, M.** *Archaeological network analysis: a primer*. Eliot Werner Publications “Principles of Archaeology” series. (under contract)
- in prep **GOLITKO, M.** *The unbounded past: networks, culture, and humanity*. Book proposal for University of Chicago Press.

**JOURNAL ARTICLES** (\*peer reviewed, +student co-author)

- 2016\* **GOLITKO, M.**, E.E. COCHRANE, E.M. SCHECHTER, & J. KARIWIGA<sup>+</sup>. Archaeological and Palaeoenvironmental Investigations near Aitape, northern Papua New Guinea, 2014. *Journal of Pacific Archaeology* 7(1): 139-150.
- 2016\* WEIDLE, D.<sup>+</sup>, M. VAN GARDEREN<sup>+</sup>, **M. GOLITKO**, G.M. FEINMAN, & U. BRANDES. On Graphical Representations of Similarity in Geo-Temporal Frequency Data. *Journal of Archaeological Science* 72: 105-116.
- 2015\* **GOLITKO, M.**, & G.M. FEINMAN. Procurement and distribution of Pre-Hispanic Mesoamerican obsidian 900 BC – AD 1520: a social network analysis. *Journal of Archaeological Method and Theory* 22: 206-247.
- 2015\* SHARRATT, N., **M. GOLITKO**, & P.R. WILLIAMS. Pottery production, regional exchange and state collapse during the Middle Horizon (A.D. 500-1000): LA-ICP-MS analyses of Tiwanaku pottery in the Moquegua Valley, Peru. *Journal of Field Archaeology* 40(4): 397-412.
- 2015\* BONJEAN, D., Y. VANBRABANT, G. ABRAMS, S. PIRSON, C. BURLET, K. DI MODICA, M. OTTE, J. VANDER AUWERA, **M. GOLITKO**, R. McMILLAN<sup>+</sup>, & E. GOEMAERE. A new Cambrian black pigment used during the Middle Palaeolithic discovered at Scladina Cave (Andenne, Belgium). *Journal of Archaeological Science* 55: 253-265.
- 2015 BONJEAN, D., Y. VANBRABANT, G. ABRAMS, S. PIRSON, C. BURLET, K. DI MODICA, M. OTTE, J. VANDER AUWERA, **M. GOLITKO**, R. McMILLAN<sup>+</sup>, & E. GOEMAERE. Nouvelles données sur un pigment noir d’origine cambrienne, utilisé au Paléolithique moyen et découvert dans la grotte Scladina (Andenne, Belgique). *Notae Praehistoricae* 35: 121-146.
- 2015\* PALUMBO, S., **M. GOLITKO**, S. CHRISTENSEN<sup>+</sup>, & G. TIETZER<sup>+</sup>. Basalt source characterization in the highlands of western Panama using Portable X-ray Fluorescence (pXRF) Analysis. *Journal of Archaeological Science: Reports* 2: 61-68.
- 2014\* GEOMAERE, E., D. HENROTAY, O. COLLETTE, **M. GOLITKO**, T. DELBEY, & T. LEDUC. Caractérisation de la Céramique Médiévale d’Autelbas (Arlon, Belgique) et Identification de la Source de la Matière Première. *ArchéoSciences, revue d’archéométrie* 38: 49-65.
- 2013\* LEVINE, A., C. STANISH, P.R. WILLIAMS, C. CHAVEZ, & **M. GOLITKO**. Trade and Early State Formation in the Northern Titicaca Basin, Peru. *Latin American Antiquity* 24(3): 289-308.
- 2013 TERRELL, J.E. & **M.L. GOLITKO**. Comment on D.V. Burley, “Fijian Polygenesis and the Melanesian/Polynesian Divide. *Current Anthropology* 54(4): 455-456.
- 2013\* FEINMAN, G.M., L.M. NICHOLAS, & **M. GOLITKO**. Exchange in the Valley of Oaxaca, Mexico: Late Classic Obsidian Procurement. *Mexicon* XXXV(3): 60-68.

- 2013\* GOEMAERE, E., J. HONINGS, C. JUNGELS, **M. GOLITKO**, P. DEGRYSE, & J. SCHNEIDER. Discerning geological and geographical sources of Belgian Upper Paleolithic fluorites by Rare Earth Elements and Sr-isotopic geochemistry. *Journal of Archaeological Science* 40(7): 2892-2901.
- 2013\* MOHOLY-NAGY, H., J. MEIERHOFF<sup>+</sup>, **M. GOLITKO**, & C. KESTLE<sup>+</sup>. An Analysis of pXRF Source Attributions from Tikal, Guatemala. *Latin American Antiquity* 24(1): 72-97.
- 2013\* KELLETT, L.C., **M. GOLITKO**, & B.S. BAUER. A Provenance Study of Archaeological Obsidian from the Andahuaylas Region of Southern Peru. *Journal of Archaeological Science* 40: 1890-1902.
- 2012\* **GOLITKO, M.**, M. SCHAUER<sup>+</sup>, & J.E. TERRELL. Identification of Fergusson Island obsidian on the Sepik coast of northern Papua New Guinea. *Archaeology in Oceania* 47: 151-156.
- 2012\* **GOLITKO, M.**, & J.E. TERRELL. Mapping Prehistoric Social Fields on the Sepik coast of Papua New Guinea: Ceramic Compositional Analysis using Laser Ablation-Inductively Coupled Plasma-Mass Spectrometry. *Journal of Archaeological Science* 39(12): 3568-3580.
- 2012\* **GOLITKO, M.**, J. MEIERHOFF<sup>+</sup>, G.M. FEINMAN, & P.R. WILLIAMS. Complexities of Collapse: the evidence of Maya obsidian as revealed by network graphical analysis. *Antiquity* 86(332): 507-523.
- 2012\* **GOLITKO, M.**, J.V. DUDGEON, H. NEFF, & J.E. TERRELL. Identification of Post-Depositional Chemical Alteration of Ceramics from the North Coast of New Guinea (Sandaun Province) by Time of Flight-Laser-Ablation-Inductively Coupled Plasma-Mass Spectrometry (TOF-LA-ICP-MS). *Archaeometry* 54(1): 80-100.
- 2012 MEIERHOFF, J. <sup>+</sup>, **M. GOLITKO**, G.M. FEINMAN, & P.R. WILLIAMS. Chemical Characterization of Obsidian from the Maya site of San José, Belize. *Antiquity* 86: <http://antiquity.ac.uk/ant/086/ant0860507.htm>.
- 2010\* **GOLITKO, M.**, J. MEIERHOFF<sup>+</sup>, & J.E. TERRELL. Chemical characterization of sources of obsidian from the Sepik coast (PNG). *Archaeology in Oceania* 45(3): 120-129.
- 2010 MEIERHOFF, J. <sup>+</sup>, **M. GOLITKO**, & J. MORRIS<sup>+</sup>. Sourcing of obsidian from the ancient Maya farming community of Chan, Belize using portable XRF. *SAS Bulletin* 33(2): 5-8.
- 2009\* SHARRATT, N., **M. GOLITKO**, P.R. WILLIAMS, & L. DUSSUBIEUX. Ceramic Production during the Middle Horizon; Wari and Tiwanaku clay procurement in the Moquegua Valley, Peru. *Geoarchaeology* 24(6): 792-820.
- 2007\* **GOLITKO, M.** & L.H. KEELEY. Beating Ploughshares back into Swords: Warfare in the *Linearbandkeramik*. *Antiquity* 81: 332-342.
- 2005 KEELEY, L.H., D. BOSQUET, I. JADIN, R.S. QUICK, & **M.L. GOLITKO**. Nouvelles fouilles sur le site rubané de Waremme-Longchamps: Rapport de la campagne 2005. *Notae Praehistoricae* 25: 153-161.
- 2005 QUICK, R.S., D. BOSQUET, L.H. KEELEY, I. JADIN, & **M.L. GOLITKO**. A Large Area Geophysical Survey at Waremme-Longchamps, a Fortified Linienbandkeramik Site in Liege Province, Belgium. *Notae Praehistoricae* 25: 145-152.
- in review MILLHAUSER, J.K., L. BLOCH, **M. GOLITKO**, L.F. FARGHER, N. XIUHTECUTLI, V.Y. HEREDIA ESPINOZA, & M.D. GLASCOCK. Geochemical Variability in the Paredón Obsidian Source, Puebla and Hidalgo, Mexico. Resubmitted to *Archaeometry*.
- in review GOFF, J.R., **M. GOLITKO**, D. CURNOE, E.E. COCHRANE, S. WILLIAMS & J.E. TERRELL. The oldest tsunami victim in the world? Submitted to *Proceedings of the National Academy of Sciences of the United States of America*.
- in review KOSIBA, S., N.SHARRATT, **M. GOLITKO**, K. QUAVE, L. DUSSUBIEUX, & P.R. WILLIAMS. Style and Substance in the Inka Imperial Capital: An LA-ICP-MS Analysis of Clay Procurement and Ceramic Production in the Cusco Region, Peru. Submitted to *Journal of Anthropological Archaeology*.
- in revision OKA, R.C., M.O. KISSEL, **M. GOLITKO**, N.C. KIM, A. FUENTES, & S.G. SHERIDAN. Group population is the main driver of armed group size and conflict casualties. Submitted to *Proceedings of the National Academy of Sciences of the United States of America*.

- in prep **GOLITKO, M.**, J. ZIMMER-DAUPHINEE<sup>†</sup>, J.E. TERRELL, T. SHAFIE, & E.M. SCHECHTER. New Guinean bone daggers: a multi-model analysis of geography, language, and cultural patterning. For submission to *PLoS One*.
- in prep **GOLITKO, M.** & L.H. KEELEY. Population density predicts buffer zone width: Implications for archaeological population estimation. For submission to *American Antiquity*.
- in prep ENVEROVA, D.<sup>+</sup> & **M. GOLITKO**. Neolithic conflict: assessing the spatial and chronological associations of enclosures and burial evidence. For submission to *Antiquity*.

#### BOOK CHAPTERS (\*peer reviewed, <sup>+</sup>student co-author)

- 2017\* **GOLITKO, M.**, & L. DUSSUBIEUX. Inductively Coupled Plasma-Mass Spectrometry (ICP-MS) and Laser Ablation Inductively Coupled Plasma-Mass Spectrometry (LA-ICP-MS). In *The Oxford Handbook of Archaeological Ceramic Analysis*, edited by A. Hunt, pp. 399-423. Oxford University Press, Oxford.
- 2016\* GOEMAERE, E., H. SALOMON, C. BILLARD, G. QUERRE, F. MATHIS, **M. GOLITKO**, C. DUBRULLE-BRUNAUD, X. SAVARY, & R. DREESSEN. Les hématites oolithiques du Néolithique ancien et du Mésolithique de Basse-Normandie (France): caractérisation physico-chimique et recherche des provenances. In *Autour de l'hématite, Actes de Jambes 7-8/02/2013*, edited by C. Billard, D. Bosquet, R. Dreesen, E. Gomaere, C. Hamon, I Jadin, H. Salomon, & X. Savary, pp. 89-119. *Studia Prehistorica Belgica* 8, *Anthropologica et Præhistorica* 125/2014. ERAUL, Liège.
- 2016\* **GOLITKO, M.**, N. SHARRATT, & P.R. WILLIAMS. Open-cell ablation of Killke and Inka pottery from the Cuzco area: Museum collections as repositories of provenience information. In: *Recent Advances in Laser Ablation ICP-MS for Archaeology*, edited by L. Dussubieux, M. Golitko, & B. Gratuze, pp. 27-52. Springer Verlag, Berlin.
- 2016 **GOLITKO, M.** Introduction to solid sampling strategies. In: *Recent Advances in Laser Ablation ICP-MS for Archaeology*, edited by L. Dussubieux, M. Golitko, & B. Gratuze, pp. 23-25. Springer Verlag, Berlin.
- 2016 **GOLITKO, M.** Expanded applications of Laser Ablation-ICP-MS in archaeology. In: *Recent Advances in Laser Ablation ICP-MS for Archaeology*, edited by L. Dussubieux, M. Golitko, & B. Gratuze, pp. 231-233. Springer Verlag, Berlin.
- 2015\* PISCITELLI, M., S. CHACALTANA CORTEZ, N. SHARRATT, **M. GOLITKO**, AND P.R. WILLIAMS. Inferring Socio-Political Dynamics in the Moquegua Valley through Geochemical Analysis. In *Ceramic Analysis in the Andes*, edited by I. Druc. Madison, pp. 103-121. Madison: Deep University Press.
- 2013\* **GOLITKO, M.**, M. SCHAUER<sup>†</sup>, & J.E. TERRELL. Obsidian acquisition on the Sepik coast of northern Papua New Guinea during the last two Millennia. In *Pacific Archaeology: Documenting the Past 50,000 Years*, edited by G. Summerhayes & H. Buckley, pp. 43-57. University of Otago Studies in Archaeology 25. Otago: University of Otago.
- 2013\* JANUSEK, J., P.R. WILLIAMS, **M. GOLITKO**, & C. LÉMUZ AGUIRRE. Building Taypikala: Telluric Transformations in the Lithic Production at Tiwanaku. In *Quarrying and Mining in the Ancient Andes: Sociopolitical, Economic and Symbolic Dimensions*, edited by N. Tripcevich & K. Vaughn, pp 65-98. New York: Springer Science+Business Media.
- 2012\* BOSQUET, D., & **M. GOLITKO**. Highlighting and characterizing the pioneer phase of the Hesbayen LBK (Liège Province, Belgium). In *Siedlungsstruktur und Kulturwandel in der Bandkeramik. Beiträge der internationalen Tagung "Neue Fragen zur Bandkeramik oder alles beim Alten?!", Leipzig, 23. bis 24. September 2010*, edited by S. Wolfram & H. Stäuble, pp. 87-102. Dresden: Landesamt für Archäologie Freistaat Sachsen.
- 2012\* MEIERHOFF, J.<sup>+</sup>, **M. GOLITKO**, & J. MORRIS<sup>†</sup>. Obsidian Acquisition, Trade, and Regional Interaction at the Ancient Maya Farming Village of Chan, Belize. In *Chan: An Ancient Maya Farming Community in Belize*, edited by C. Robin, pp. 271-288. Gainesville: University of Florida Press.
- 2011\* **GOLITKO, M.** Provenience Investigations of Ceramic and Obsidian samples using Laser Ablation-Inductively Coupled Plasma-Mass Spectrometry (LA-ICP-MS) and portable X-ray

- Fluorescence (p-XRF). In *Exploring Prehistory on the Sepik coast, Papua New Guinea*, edited by J.E. Terrell & E.M. Schechter, pp. 251-287. Fieldiana Anthropology New Series No. 42. Chicago: Field Museum of Natural History.
- 2011\* **GOLITKO, M** & D. BOSQUET. Implications des Analyses de la Composition de la Ceramique pour la transition Mesolithique-Neolithique dans L'Europe du Nord-Ouest. In *5000 ans avant J.-C.: la grande migration? Le Néolithique ancien dans la collection Louis Éloy*, edited by A. Hauzeur, I. Jadin, & C. Jungels, pp. 86-93. Collections du Patrimoine culturel no. 3. Édition du Service Patrimoine culturel de la Fédération Wallonie-Bruxelles, Brussels.
- 2011\* TERRELL, J.E., E. SCHECHTER, & **M. GOLITKO**. Conclusions. In *Exploring Prehistory on the Sepik coast, Papua New Guinea*, edited by J.E. Terrell & E.M. Schechter, pp. 295-303. Fieldiana Anthropology New Series No. 42. Chicago: Field Museum of Natural History.
- 2010\* BOSQUET, D., A. SALAVERT, & **M. GOLITKO**. Signification chronologique des assemblages détritiques rubanés: confrontation des données anthracologiques, typologiques et stratigraphiques sur trois sites de Hesbaye (province de Liège, Belgique). In *Taphonomie des résidus organiques brûlés et des structures de combustion en milieu archéologique (actes de la table ronde, 27-29 mai 2008, Cépam)*, edited by I. Théry-Parisot, L. Chabal, & S. Costamagno. *P@lethnologie* 2: 39-57.
- 2008\* BOSQUET, D., **M. GOLITKO**, A. SALAVERT, V. BEUGNIER, F. DELIGNE, I. JADIN, F. MARTIN, & R. QUICK. Une Phase Pionnière à l'Origine du Peuplement Rubané de la Hesbaye Liégeoise (Belgique). In *Fin des traditions danubiennes dans le Néolithique du Bassin parisien et de la Belgique (5100-4700 av. J.-C.): Autour des recherches de Claude Constantin*, edited by L. Burnez-Lanotte, M. Ilett, & P. Allard. Mémoire de la Société préhistorique Française XLIV. pp. 301-315. Namur, Presses Universitaires de Namur.
- 2007\* DUSSUBIEUX, L., **M. GOLITKO**, P.R. WILLIAMS, & R.J. SPEAKMAN. LA-ICP-MS Analysis applied to the Characterization of Peruvian Wari Ceramics. In *Archaeological Chemistry: Analytical Technique and Archaeological Interpretation*, edited by M. D. Glascock, R.J. Speakman, & R.S. Popelka-Filcoff, pp. 349-363. ACS Publication Series 968. American Chemical Society, Washington, DC.
- 2004\* KEELEY, L.H., & **M. GOLITKO**. First Farmers of Central Europe. In *Ancient Europe 8000 B.C.-A.D. 1000: Encyclopedia of the Barbarian World*, edited by P. Bogucki & P.J. Crabtree, pp. 259-266. New York, Charles Scribner's Sons.
- in press DUSSUBIEUX, L., & **M. GOLITKO**. Scientific Analyses and Stone Beads. To appear in the proceedings of the "Workshop on History, Science & Technology of Stone Beads, IIT Gandhinagar, 10-14 August 2015." Archaeological Survey of India.
- accepted **GOLITKO, M.**, G.M. FEINMAN, & L.M. NICHOLAS. Archaeological network analysis viewed through Mesoamerican obsidian. In *Digging a vertex, finding the edges: Approaches to Social Network Analysis in Archaeology*, edited by T. Kerig. Dr. Rudolf Habelt GmbH, Bonn. (2017).
- accepted FEINMAN, G.M., **M. GOLITKO**, & L.M. NICHOLAS. A network analysis of prehispanic obsidian exchange: implications for macroregional dynamics and ancient economies. In *Digging a vertex, finding the edges: Approaches to Social Network Analysis in Archaeology*, edited by T. Kerig. Dr. Rudolf Habelt GmbH, Bonn. (2017).
- accepted\* **GOLITKO, M.** Provenience Investigations of Obsidian Artifacts from the Field Museum of Natural History Kish Collections using portable X-ray Fluorescence Analysis. In *Where Kingship Descended from Heaven: New Studies on Ancient Kish*, edited by K. Wilson & D. Bekken. Oriental Institute Publications, Chicago.
- accepted **GOLITKO, M.** Chemical Analyses of Ceramics from Fexhe le haut Clocher *Podrî l'Cortri* by Laser Ablation-Inductively Coupled Plasma-Mass Spectrometry. In *Le site rubané de Fexhe-le-Haut-Clocher « Podrî l'Cortri » (province de Liège, Belgique)*, edited by D. Bosquet. Etudes et Documents: Monuments et Sites Archéologie, Namur.
- in review **GOLITKO, M.** The potential of obsidian "Big Data." In: *Latest Results and Examination Methodologies of Pre- and Protohistoric Metals and Other Inorganic Materials: 1<sup>st</sup> International Scientific Conference of the UISPP Commission on Archaeometry of Pre- and*

- Protohistoric Inorganic Artifacts, Materials and Technologies, 14<sup>th</sup> October 2016, Miskolc, Hungary*, edited by B. Török. UISPP, Paris.
- in prep **GOLITKO, M.**, & J.E. TERRELL. A shamelessly simplified interaction model for the Holocene Bismarck Sea. For inclusion in the proceedings of the workshop ‘*Bridging Social and Geographic Space through Networks*,’ edited by H. Dawson and F. Iacono. Topoi publications, Berlin.

#### POPULAR COMMUNICATIONS, MEDIA, AND SOCIAL MEDIA

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- in press FEINMAN, G.M., NICHOLAS, L.M., & **M. GOLITKO**. Ancient Obsidian: Reflections on Ancient Economies. *In the Field* (Summer 2017): 20.
- 2016- Administrator, BioAnthropology News <https://www.facebook.com/groups/BioAnthNews/>  
2015 Interviewed by Livescience.com (8/17) and USA Today (8/18) regarding the publication of the early Neolithic massacre mass grave of Schöneck-Kilianstädten.  
<http://www.livescience.com/51884-neolithic-massacre-mass-grave.html>  
<http://www.usatoday.com/story/news/2015/08/17/massacre-bloodshed-7000-years-germany/31869013/>
- 2015 **GOLITKO, M.** Migration, Admixture, and Human Populations. *Science Dialogues*.  
<http://sciencedialogues.com/commentaries/migration-admixture-and-human-populations/>
- 2014 TERRELL, J.E., T. SHAFIE, & **M. GOLITKO**. How Networks are revolutionizing Scientific (and maybe Human) Thought. *Scientific American* blog network.  
<http://www.scientificamerican.com/author/john-edward-terrell-termeh-shafie-and-mark-golitko/>
- 2013 **GOLITKO, M.** Tiefe Gräben, hohe Wälle—Bollwerke der Steinzeit. *Archäologie in Deutschland*. 2013(1): 22-25.
- 2012 “Using obsidian to understand the Maya” Field Museum Podcast  
<https://www.fieldmuseum.org/science/blog/podcast-using-obsidian-understand-maya>
- 2011 “The X-Ray Fluorescence Lab” Field Museum Video  
<https://www.fieldmuseum.org/science/blog/video-x-ray-fluorescence-lab>

#### BOOK REVIEWS

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- 2015 **GOLITKO, M.** Sources and Semiotics: obsidian studies in North-east Asia and Mesoamerica. Review of “*Methodological Issues for Characterisation and Provenance of Obsidian in Northeast Asia*,” A. Ono, M.D. Glascock, Y.V. Kuzmin and Y. Suda (eds), and “*Obsidian Reflections: Symbolic Dimensions of Obsidian in Mesoamerica*,” edited by M.N. Levine & D.M. Carballo. *Antiquity* 346: 988-990.
- 2011 **GOLITKO, M.** Review of “*The Statues that Walked: Unraveling the Mystery of Easter Island*,” by T. Hunt & C. Lipo. *Rapa Nui Journal* 25(2): 61-62.

#### REPORTS

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- 2015 GOMAERE E., F. HANUT, E. DE WAELE, T. LEDUC, T. GOOVAERTS, **M. GOLITKO**, & D. BOSQUET. La production céramique de l’atelier de Walhain/Tourinnes-Saint-Lambert (fin 2e -3e siècle apr. J.-C.): Enquête pluridisciplinaire sur une officine locale méconnue. Pré-actes des Journées d’Archéologie en Wallonie. Rochefort 2015. *Rapports Archéologie* 1: 54-57.
- 2015 GOEMAERE E., S. CHALLE, S. DE LONGUEVILLE, **M. GOLITKO**, M. VERBEEK, T. GOOVAERTS, & T. LEDUC. Caractérisation archéométrique des céramiques glaçurées médiévales de Dinant et Bouvignes (Belgique): quelques résultats préliminaires. Pré-actes des Journées d’Archéologie en Wallonie. Rochefort 2015. *Rapports Archéologie* 1: 89-91.
- 2013 BILLARD, C., D. BOSQUET, C. BRUNAUD, R. DRESEN, L. DURPET, E. GOEMAERE, **M. GOLITKO**, C. HAMON, I. JADIN, H. SALOMON, X. SAVARY, & K. WOZNICA. Projet Collectif de Recherche “Hématite” 2011: Essai de caractérisation de l’origine des hématites (oolithiques) exploitées à la fin du Mésolithique et au début du Néolithique. Preliminary INRAP report.

- 2007 **GOLITKO, M.,** H. NEFF, J.V. DUDGEON, & J.E. TERRELL. Chemical Characterization of Modern and Prehistoric Ceramics from the North Coast of Papua New Guinea. *Institute for Integrated Research in Materials, Environments, and Societies Annual Report 2007*: 16-17.
- 2001 KEELEY, L.H., R.S. QUICK, M. VERMILION, & **M. GOLITKO.** Ground Penetrating Radar Survey in the area of the Northeastern Cahokia Palisade. Report submitted to the director of the Cahokia Mounds State Historic Site, Collinsville, Illinois.

### TEACHING (\*graduate level component)

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#### University of Notre Dame

- Primary instructor* Buried Cities, Ancient Tribes: Mysteries of the Past (Fall 2016)  
 Fundamentals of Archaeology (Fall 2015, Spring 2016, Spring 2017)  
 \*Nasty, Brutish, and Short: the Archaeology of War (Fall 2016)  
 \*Tales of the South Pacific: Oceanic Island Cultures (Spring 2017)  
 \*The Social Species (Spring 2016)  
 \*Anthropological Quantitative Reasoning (Fall 2015)  
 Constructing Research Analysis (Fall 2015)  
 \*Graduate Directed Readings in Archaeology (Spring 2017)

#### University of Illinois at Chicago

- Primary instructor* The Human Adventure (Spring 2012, 2013)  
 Introduction to Archaeology (Fall 2007)  
 Pacific Island Cultures (Fall 2013)  
 \*Archaeology of Interaction (Spring 2015)  
 \*Analytical Anthropology (Spring 2008, 2010, 2013, Fall 2014)  
 \*Museum Anthropology (Fall 2013)
- Teaching assistant* World Cultures: Introduction to Social Anthropology (Spring 2002, 2005)  
 Human Evolution (Fall 2001, Summer 2002, Fall 2009)  
 World Regional Geography (Fall 2000)  
 Introduction to Cultural Geography (Spring 2001, 2003)

### STUDENT SUPERVISION

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- 2017- PhD committee member, Kelsey Reese, Anthropology, University of Notre Dame  
 2017- PhD committee member, Charles Morse, Anthropology, University of Notre Dame  
 2016 Craig Jensen (Aquinas College), REU sites participant, BAKOTA project  
 2015 Ashley Cercone (SUNY Buffalo), REU sites participant, BAKOTA project  
 2015 James Zimmer-Dauphinee (University of Arkansas), Regenstein intern for Pacific anthropology  
 2015 Misty Mikuls-Alloy (UIC), intern in archaeological science  
 2014 MA examiner, Matthew Schauer, Geography, University of Illinois at Chicago  
 2014 External MA examiner, Zachary Batist, Anthropology, McMaster University  
 2014 Elliot Yong (Princeton University), intern for Pacific anthropology  
 2010-11 Matthew Schauer (UIC), intern for Pacific anthropology  
 2005-06 Matthew Schauer (UIC), intern for European archaeology  
 2005-06 Michelle Hoffman (UIC), intern for European archaeology

### INVITED LECTURES

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- 2014 Palaeoenvironmental archaeology on the north coast of Papua New Guinea. Leiden University Faculty of Archaeology, December 15<sup>th</sup>.
- 2014 Thinking outside the box: social networks in the southwestern Pacific and implications of SNA for archaeology, University of Konstanz Department of Computer & Information Science, September 16<sup>th</sup>.



- 2014 Archaeological Network Analysis on the Sepik coast of Papua New Guinea. University of Notre Dame Interdisciplinary Center for Network Science & Applications, April 29<sup>th</sup>.
- 2012 Provenance studies of ceramics and obsidian from the Sepik coast, northern Papua New Guinea. Ripon College, May 5<sup>th</sup>.
- 2011 Recent Archaeological Research on the Sepik coast of northern Papua New Guinea and implications for Pacific Prehistory. University of Wisconsin-Madison Department of Anthropology, March 4<sup>th</sup>.
- 2010 Warfare, Economy, and Village Development during the Belgian early Neolithic. Idaho State University Department of Anthropology, October 8<sup>th</sup>.

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**CONFERENCE PRESENTATIONS** (\*invited, +student co-author)

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- upcoming\* **GOLITKO, M.** Island-mainland networks on the Sepik coast of northern Papua New Guinea. Paper to be presented at the 23<sup>rd</sup> annual meetings of the European Association of Archaeologists, August 30<sup>th</sup>-September 3<sup>rd</sup>, 2017, Maastricht.
- 2017\* **GOLITKO, M.** How social are archaeological social network analyses? Paper presented at the 82<sup>nd</sup> annual meeting of the Society for American Archaeology, March 29<sup>th</sup>-April 2<sup>nd</sup>, Vancouver.
- 2017\* **JENSEN, C. +, & M. GOLITKO.** Ceramics Provenience: Chemical Analysis of Ceramics and Clays in Eastern Hungary via LA-ICP-MS. Poster presented at the 82<sup>nd</sup> annual meeting of the Society for American Archaeology, March 29<sup>th</sup>-April 2<sup>nd</sup>, Vancouver.
- 2017\* **GOLITKO, M.** Historical contingency in network data: examples from museum collections research. Paper presented at the 2017 Computer Applications in Archaeology meeting, March 14<sup>th</sup>-16<sup>th</sup>, Georgia State University, Atlanta.
- 2016\* **GOLITKO, M., J. ZIMMER-DAUPHINEE +, AND J.E. TERRELL.** Cultural diversity as network structure: a multi-model analysis of New Guinean bone daggers. Paper presented at the symposium "Bridging Social and Geographical Space through Networks," December 2<sup>nd</sup>-3<sup>rd</sup>, Topoi, Freie Universität Berlin, Berlin.
- 2016\* **GOEMAERE, E., S. CHALLE, S. DE LONGUEVILLE, M. GOLITKO, M. VERBEEK, T. GOOVAERTS, & T. LEDUC.** Caractérisation archéométrique des céramiques glaçurées médiévales de Dinant et Bouvignes (Belgique): quelques résultats préliminaires. Paper presented at ICERAMM, November 17-19<sup>th</sup>, INRAP, Paris.
- 2016\* **GOLITKO, M.** PXRF and the potentials of obsidian "Big Data." Paper presented at the first annual meeting of the UISPP Commission on Archaeometry of Pre- and Protohistoric Inorganic Artifacts, Materials and Technologies, October 14<sup>th</sup>-15<sup>th</sup>, Miskolc.
- 2016 **GOICOECHEA, S. +, M. GOLITKO, G.A. TORRES, & L.T. GETTLER.** Social support, rank, and testosterone in performance art. Poster presented at the Human Behavior and Evolution Society 28<sup>th</sup> Annual Meeting, June 29<sup>th</sup>-July 2<sup>nd</sup>, Vancouver.
- 2016\* **GOLITKO, M., E.E. COCHRANE, & J.R. GOFF.** Coastal development and paleoenvironment on the north coast of Papua New Guinea: the Paniri Creek sequence. Paper presented at the 81<sup>st</sup> annual meeting of the Society for American Archaeology, April 6<sup>th</sup>-10<sup>th</sup>, Orlando.
- 2016\* **CERCONE, A. +, & M. GOLITKO.** Ceramics production and trade across the Great Hungarian Plain: Chemical analysis of Bronze Age ceramics from Békés 103 in Eastern Hungary. Poster presented at the 81<sup>st</sup> annual meeting of the Society for American Archaeology, April 6<sup>th</sup>-10<sup>th</sup>, Orlando.
- 2016\* **ZIMMER-DAUPHINEE, J. +, M. GOLITKO, E.M. SCHECHTER, T. SHAFIE, & J.E. TERRELL.** Cassowary bone daggers from Papua New Guinea: Similarity networks, ERGMs, and spatial modelling. What can they tell us? Paper presented at the International Sunbelt Social Network Conference 36, April 5<sup>th</sup>-10<sup>th</sup>, Newport Beach.
- 2015 **GOMAERE E., F. HANUT, E. DE WAELE, T. LEDUC, T. GOOVAERTS, M. GOLITKO, & D. BOSQUET.** La production céramique de l'atelier de Walhain/Tourinnes-Saint-Lambert (fin 2e -3e siècle apr. J.-C.): Enquête pluridisciplinaire sur une officine locale méconnue. Poster presented at Journées de l'Archéologie Wallonne (JAW), November 18<sup>th</sup>-20<sup>th</sup>, Rochefort.

- 2015 GOEMAERE E., S. CHALLE, S. DE LONGUEVILLE, **M. GOLITKO**, M. VERBEEK, T. GOOVAERTS, & T. LEDUC. Caractérisation archéométrique des céramiques glaçurées médiévales de Dinant et Bouvignes (Belgique): quelques résultats préliminaires. Poster presented at Journées de l'Archéologie Wallonne (JAW), November 18<sup>th</sup>-20<sup>th</sup>, Rochefort.
- 2015\* **GOLITKO, M.**, G.M. FEINMAN, & L.M. NICHOLAS. Archaeological Network Analysis viewed through Mesoamerican Obsidian: prospects and challenges. Paper presented at "Digging a vertex, finding the edges: Approaches to Social Network Analysis in Archaeology." Workshop held at Universität zu Köln, July 3<sup>rd</sup>-4<sup>th</sup>, Cologne.
- 2015\* FEINMAN, G.M., **M. GOLITKO**, & L.M. NICHOLAS. A Network Analysis of Prehispanic Obsidian Exchange: Implications for Macroregional Dynamics and Ancient Economies. Paper presented at "Digging a vertex, finding the edges: Approaches to Social Network Analysis in Archaeology." Workshop held at Universität zu Köln, July 3<sup>rd</sup>-4<sup>th</sup>, Cologne.
- 2015\* **GOLITKO, M.** Compositional analysis of LBK ceramics from the Hesbaye region of Belgium: Progress, problems, and prospects. Paper presented at the workshop "Matières à Penser": Raw Materials Acquisition and Processing in Early Neolithic Pottery Production, May 29<sup>th</sup>-30<sup>th</sup>, University of Namur, Namur.
- 2015\* VAN DOOSSELAERE, B., **M. GOLITKO**, L. BURNEZ-LANOTTE, & D. DELDICQUE. Compositional variability of Early Neolithic pottery: a case study from Vaux-et-Borset (Blicquy/Villeneuve-Saint-Germain, 4900-4650 cal BC, central Belgium). Paper presented at the workshop "Matières à Penser": Raw Materials Acquisition and Processing in Early Neolithic Pottery Production, May 29<sup>th</sup>-30<sup>th</sup>, University of Namur, Namur Belgium.
- 2015\* **GOLITKO, M.** Provenance Studies using Trace Elements: the Past, Present, and Future. Paper presented at the 2015 User's Group for Mass Spectrometry and Chromatography (MaSC) workshop, May 17<sup>th</sup>-20<sup>th</sup>, Chicago.
- 2015 GOEMAERE, E., F. HANUT, E. DE WAELE, T. LEDUC, **M. GOLITKO**, & D. BOSQUET. Enquête archéométrique sur la production de poteries dans l'agglomération gallo-romaine de Tourinnes-Saint-Lambert (Walhain, Belgique). Poster presented at the 20<sup>th</sup> Symposium of Archaeometry GMPCA, April 27<sup>th</sup>-30<sup>th</sup>, Besançon.
- 2015 GOEMAERE, E., C. SOPHIE, S. DE LONGUEVILLE, **M. GOLITKO**, M. VERBEEK, T. GOOVAERTS, AND T. LEDUC. Caractérisation archéométrique des céramiques médiévales glaçurées de Dinant et Bouvignes (Belgique). Poster presented at the 20<sup>th</sup> Symposium of Archaeometry GMPCA, April 27<sup>th</sup>-30<sup>th</sup>, Besançon.
- 2015 **GOLITKO, M.**, E.E. COCHRANE, S.P. WILLIAMS, & J. KARIWIGA<sup>+</sup>. Archaeological and Palaeoenvironmental investigations in the Aitape area of northern Papua New Guinea, 2014. Poster presented at the 80<sup>th</sup> annual meeting of the Society for American Archaeology, April 15<sup>th</sup>-19<sup>th</sup>, San Francisco.
- 2014\* **GOLITKO, M.**, & J.E. TERRELL. Thinking outside the box: social networks on the Sepik coast of Papua New Guinea and implications of SNA for Europe and beyond. Paper presented at the 20<sup>th</sup> annual meeting of the European Association of Archaeologists, September 10<sup>th</sup>-14<sup>th</sup>, Istanbul.
- 2014\* PISCITELLI, M., S. CHACALTANA CORTEZ, N. SHARRATT, **M. GOLITKO**, & P.R. WILLIAMS. Inferring Socio-Political Dynamics in the Moquegua Valley through Geochemical Analysis. Paper presented at the 79<sup>th</sup> annual meeting of the Society for American Archaeology, April 23<sup>rd</sup>-27<sup>th</sup>, Austin.
- 2014 CRONIN, J. <sup>+</sup>, A. CARDONA ROSAS, **M. GOLITKO**, P.R. WILLIAMS, & M. CECILIA LOZADA. Obsidian and Wari Expansion: a View from the Vitor Valley of Southern Peru. Paper presented at the 79<sup>th</sup> annual meeting of the Society for American Archaeology, April 23<sup>rd</sup>-27<sup>th</sup>, Austin.
- 2014\* **GOLITKO, M.**, & G.M. FEINMAN. Procurement and distribution of obsidian in Prehispanic Mesoamerica, 900 BC—AD 1520: an economic network analysis. Paper presented at the International Sunbelt Social Network Conference XXXIV, February 18<sup>th</sup>-23<sup>rd</sup>, Saint Petersburg Beach.

- 2014\* SHARRATT, N., **M. GOLITKO**, & P.R. WILLIAMS. Pottery production and ceramic circulation during the Middle Horizon: LA-ICP-MS analyses of Tiwanaku pottery from the Moquegua Valley, Perú. Paper presented at the 54<sup>th</sup> annual meeting of the Institute of Andean Studies, January 10<sup>th</sup>-11<sup>th</sup>, Berkeley.
- 2013\* **GOLITKO, M.** Participant, 2<sup>nd</sup> Regenstein Workshop on Baseline Probability Analysis, December 4<sup>th</sup>-6<sup>th</sup>, 2013, Field Museum, Chicago.
- 2013 **GOLITKO, M.** “No evidence for war or chieftainship?” Violence in the European early Neolithic. Paper presented at the 112<sup>th</sup> annual meetings of the American Anthropological Association, November 20<sup>th</sup>-24<sup>th</sup>, Chicago.
- 2013\* **GOLITKO, M.** Participant, Regenstein Workshop on Baseline Probability Analysis, May 10<sup>th</sup>-11<sup>th</sup>, 2013, Field Museum, Chicago.
- 2013 SOSNOWSKA P., E. GOEMAERE, **M. GOLITKO**, & T. LEDUC. Atours de la brique d'Ancien Régime à Bruxelles (XIV-XIX<sup>e</sup> siècle): approche de la production briquetière locale et des matériaux d'importation. Premiers résultats d'une étude pluridisciplinaire. Poster presented at the 29<sup>th</sup> colloque du Groupe des Méthodes Pluridisciplinaires Contribuant à l'Archéologie (GMPCA), April 22<sup>nd</sup>-26<sup>th</sup>, Université de Caen Basse-Normandie, Caen.
- 2013 HENROTAY D., T. LEDUC, Y. VANBRABANT, O. COLETTE, **M. GOLITKO** & E. GOEMAERE. Caractérisation de la céramique médiévale d'autelbas (Arlon, Belgique) et identification des sources de la matière première. Poster presented at the 29<sup>th</sup> colloque du Groupe des Méthodes Pluridisciplinaires Contribuant à l'Archéologie (GMPCA), April 22<sup>nd</sup>-26<sup>th</sup>, Université de Caen Basse-Normandie, Caen.
- 2013\* **GOLITKO, M.**, & G.M. FEINMAN. Network analysis of Classic and Postclassic obsidian distribution in Mesoamerica. Paper presented at the 78<sup>th</sup> annual meeting of the Society for American Archaeology, April 3<sup>rd</sup>-7<sup>th</sup>, Honolulu.
- 2013 **GOLITKO, M.** Discussant, “Re-connecting the past: the future of social network analysis in archaeology.” Forum held at the 78<sup>th</sup> annual meeting of the Society for American Archaeology, April 3<sup>rd</sup>-7<sup>th</sup>, Honolulu.
- 2013\* TERRELL, J.E., & **M. GOLITKO**. Prehistory in the Pacific Islands: the possible and the actual. Paper presented at the 78<sup>th</sup> annual meeting of the Society for American Archaeology, April 3<sup>rd</sup>-7<sup>th</sup>, Honolulu.
- 2012\* **GOLITKO, M.**, & R. TORRENCE. Characterizing Obsidian Spears from the Admiralty Islands with ICP-MS and PXRF. Paper presented at the 2012 Eastern Analytical Symposium and Exposition, November 12<sup>th</sup>-15<sup>th</sup>, Somerset.
- 2012 HONINGS, J., E. GOEMAERE, F. BOSTYN, C. MONCHABLON, E. LEROY-LANGELIN, P. DEGRYSE, **M. GOLITKO**, H. COLLET, & I. JADIN. Rare Earth Elements and Sr-isotopic geochemistry: tools to determine the geological and geographical origins of Neolithic fluorites. Poster presented at the 39<sup>th</sup> International Symposium on Archaeometry, May 28<sup>th</sup>-June 1<sup>st</sup>, Leuven.
- 2012\* **GOLITKO, M.** Invited participant, FaCE Grant Workshop “Learning Together: A Ripon College Archaeometry Working Group on Teaching and Research,” May 5<sup>th</sup>, Ripon College, Ripon.
- 2012\* **GOLITKO, M.**, H. MOHOLY-NAGY, J. MEIERHOFF<sup>+</sup>, & C. KESTLE<sup>+</sup>. Technological, Chronological, and Social Dimensions of Obsidian Acquisition at Tikal, Guatemala. Paper presented at the 77<sup>th</sup> annual meeting of the Society for American Archaeology, April 18<sup>th</sup>-22<sup>nd</sup>, Memphis.
- 2012\* CHEVALIER, A., A. SALAVERT, C. HAMON, D. BOSQUET, & **M. GOLITKO**. Integrating archaeological data toward a better understanding of food plant use in the early Northwestern European Neolithic. Paper presented at the 77<sup>th</sup> annual meeting of the Society for American Archaeology, April 18<sup>th</sup>-22<sup>nd</sup>, Memphis.
- 2012\* **GOLITKO, M.** & J.E. TERRELL. Exploring Cultural Patterning on the North Coast of Papua New Guinea using Social Network Analysis. Paper presented at “Inland Seas in Global Perspective: International Conference on the Archaeology, History and Heritage Management of Coastal Landscapes,” March 16<sup>th</sup>-17<sup>th</sup>, Leiden University, Leiden.

- 2012 JANUSEK, J., P.R. WILLIAMS, **M. GOLITKO**, & C. LEMUZ. Telluric Urbanism: Lithic Transformations in the Production of Tiwanaku. Paper presented at the 40<sup>th</sup> Annual Midwest Conference on Andean and Amazonian Archaeology and Ethnohistory, February 25<sup>th</sup>-26<sup>th</sup>, Chicago.
- 2012 JANUSEK, J., P.R. WILLIAMS, **M. GOLITKO**, & C. LEMUZ. Building Taypikala: Telluric Transformations in the Lithic Production of Tiwanaku. Paper presented at the 52<sup>nd</sup> annual meeting of the Institute of Andean Studies, January 6<sup>th</sup>-7<sup>th</sup>, Berkeley.
- 2011\* **GOLITKO, M.** Violent conflict in the early Neolithic Linearbandkeramik (LBK) culture of central Europe. Paper presented at the 110<sup>th</sup> annual meeting of the American Anthropological Association, November 16<sup>th</sup>-20<sup>th</sup>, Montréal.
- 2011 BILLARD, C., X. SAVARY, E. GOEMAERE, D. BOSQUET, L. DUPRET, **M. GOLITKO**, C. HAMON, H. SALOMON, G. GOLDENBERG, I. JADIN, K. WOZNICA, G. QUERRÉ, & F. BOSTYN. L'origine des hématites oolithiques exploitées durant la préhistoire récente: Objectifs et méthodes d'un projet collectif de recherche. Poster presented at the 30<sup>th</sup> Colloque Interrégional sur le Néolithique "Zones de production et organisation des territoires au Néolithique: Espaces exploités, occupés, parcourus," October 7<sup>th</sup>-9<sup>th</sup>, Tours.
- 2011\* **GOLITKO, M.**, M. SCHAUER<sup>+</sup>, & J.E. TERRELL. Recent obsidian research on the Sepik coast of northern Papua New Guinea using PXRF. Paper presented at the 2011 Lapita Pacific Archaeology Conference, June 27<sup>th</sup>-July 1<sup>st</sup>, Apia.
- 2011 GOEMAERE, E., J. HONINGS, C. JUNGELS, **M. GOLITKO**, P. DEGRYSE, & J. SCHNEIDER. Analyses des isotopes du strontium et des terres rares appliquées à la détermination des sources géologiques et géographiques des fluorites trouvées en contexte archéologique (Paléolithique supérieur et Néolithique). Poster presented at Archéométrie 2011, April 11<sup>th</sup>-15<sup>th</sup>, Liège.
- 2011 BURGCHARDT, L. <sup>+</sup>, D. NASH, & **M. GOLITKO**. Obsidian sourcing points to inclusive exchange for the people of Cerro Mejía. Paper presented at the 76<sup>th</sup> annual meeting of the Society for American Archaeology, March 30<sup>th</sup>-April 3<sup>rd</sup>, Sacramento.
- 2011\* JANUSEK, J., P.R. WILLIAMS, **M. GOLITKO**, & C. LEMUZ. Building Taypikala: Changing Patterns of Stone Procurement and the Production of Tiwanaku Monumentality. Paper presented at the 76<sup>th</sup> annual meeting of the Society for American Archaeology, March 30<sup>th</sup>-April 3<sup>rd</sup>, Sacramento.
- 2011 MEIERHOFF, J. <sup>+</sup> & **M. GOLITKO**. Obsidian acquisition, trade, and regional interaction at the ancient Maya farming village of Chan, Belize. Paper presented at the 76<sup>th</sup> annual meeting of the Society for American Archaeology, March 30<sup>th</sup>-April 3<sup>rd</sup>, Sacramento.
- 2011 MEIERHOFF, J. <sup>+</sup>, **M. GOLITKO**, G.M. FEINMAN, & P.R. WILLIAMS. Terminal and Postclassic Obsidian Exchange Networks: San José Belize and the broader Maya World. Paper presented at the 2011 Midwest Mesoamerican Meetings, March 5<sup>th</sup>, Iowa City.
- 2011 MOHOLY-NAGY, H., J. MEIERHOFF<sup>+</sup>, **M. GOLITKO**, & C. KESTLE<sup>+</sup>. A Large Sample of Obsidian Source Attributions from Tikal, Guatemala. Paper presented at the 2011 Midwest Mesoamerican Meetings, March 5<sup>th</sup>, Iowa City.
- 2010\* **GOLITKO, M.**, R. OKA, C. KUSIMBA, J.E. TERRELL, & P.R. WILLIAMS. From Elemental Chemistry to Global Exchange: Inferring Social Economies and Interactions in Belgium, New Guinea, and the Indian Ocean-South China Sea. Paper presented in the session "Ceramic Ecology XXIV" at the 109<sup>th</sup> annual meeting of the American Anthropological Association, November 17<sup>th</sup>-21<sup>st</sup>, New Orleans.
- 2010 BOSQUET, D., V. BEUGNIER, **M. GOLITKO**, & A. SALAVERT. The pioneer phase of the Belgian LBK on four sites from the Hesbaye (Liège province, Belgium). Paper presented at Internationalen Tagung "Neue Fragen zur Bandkeramik oder Alles beim Alten?!", September 23<sup>rd</sup>-24<sup>th</sup>, Leipzig.
- 2010 DUSSUBIEUX, L., **M. GOLITKO**, P.R. WILLIAMS, & R. COX. ICP-MS with adaptable chamber laser: quantitative analysis of ceramic artifacts in the Museum environment. Poster presented at the 38<sup>th</sup> International Symposium on Archaeometry, May 10<sup>th</sup>-14<sup>th</sup>, Tampa.

- 2010 GOEMAERE, E., C. JUNGELS, **M. GOLITKO**, P. DEGRYSE, J. HONINGS, & J. SCHNEIDER. La fluorite: une matière première inhabituelle en Préhistoire. Identification des sources géologiques et géographiques de la matière première. Paper presented at “Roches et sociétés de la Préhistoire entre Massifs cristallins et Bassins sédimentaires,” April 27<sup>th</sup>-29<sup>th</sup>, Rennes.
- 2010\* **GOLITKO, M.** & J.E. TERRELL. Applications of LA-ICP-MS to the study of Holocene social networks on the Sepik Coast of Papua New Guinea. Poster presented at the 75<sup>th</sup> annual meeting of the Society for American Archaeology, April 14<sup>th</sup>-18<sup>th</sup>, St. Louis.
- 2010\* BRUM, M. <sup>+</sup>, **M. GOLITKO**, J. JANUSEK, A. LEVINE, C. STANISH, & P.R. WILLIAMS. Basalt Sources in the Andean Altiplano. Poster presented at the 75<sup>th</sup> annual meeting of the Society for American Archaeology, April 14<sup>th</sup>-18<sup>th</sup>, St. Louis.
- 2010\* DUSSUBIEUX, L, R. COX, **M. GOLITKO**, & P.R. WILLIAMS. ICP-MS with adaptable chamber laser: quantitative analysis of glass, metal and ceramic artifacts in the Museum environment. Poster presented at the 75<sup>th</sup> annual meeting of the Society for American Archaeology, April 14<sup>th</sup>-18<sup>th</sup>, St. Louis.
- 2010\* MEIERHOFF, J. <sup>+</sup>, **M. GOLITKO**, & J. MORRIS<sup>+</sup>. Sourcing of obsidian from the ancient Maya farming village of Chan, Belize using Portable XRF. Poster presented at the 75<sup>th</sup> annual meeting of the Society for American Archaeology, April 14<sup>th</sup>-18<sup>th</sup>, St. Louis.
- 2010\* SHARRATT, N., **M. GOLITKO**, P.R. WILLIAMS, & L. DUSSUBIEUX. Clay Procurement in the Middle Horizon; LA-ICP-MS Analysis of Wari and Tiwanaku Ceramics from the Moquegua Valley, Peru. Poster presented at the 75<sup>th</sup> annual meeting of the Society for American Archaeology, April 14<sup>th</sup>-18<sup>th</sup>, St. Louis.
- 2010\* MEIERHOFF, J. <sup>+</sup>, **M. GOLITKO**, & J. MORRIS<sup>+</sup>. Sourcing of Obsidian from the Ancient Maya farming Village of Chan, Belize, using portable XRF. Paper presented at the Midwest Mesoamericanist Meeting, March 19<sup>th</sup>-20<sup>th</sup>, Milwaukee.
- 2010 JANUSEK, J.W., P.R. WILLIAMS, & **M. GOLITKO**. Tiwanaku Volcanic Stone: Preliminary Results of Provenance Analysis, 2009. Paper presented at the 38<sup>th</sup> Annual Midwest Conference on Andean and Amazonian Archaeology and Ethnohistory, February 20<sup>th</sup>, Fort Wayne.
- 2009 BOSQUET, D., V. BEUGNIER, A. CHEVALIER, **M. GOLITKO**, & A. SALAVERT. Le Rubané de Hesbaye: apports des études récentes Poster presented at “Journée d’Archéologie wallonne,” December 13<sup>th</sup>-14<sup>th</sup>, Namur.
- 2009 **GOLITKO, M.** & J.E. TERRELL. Reconstructing social networks in the voyaging corridor: Chemical analysis of artifacts from the Sepik coast of New Guinea. Paper presented at the 19<sup>th</sup> conference of the Indo-Pacific Prehistory Association, November 29<sup>th</sup>-December 6<sup>th</sup>, Hanoi.
- 2009 DUSSUBIEUX, L., R. COX, **M. GOLITKO**, & P.R. WILLIAMS. ICP-MS with adaptable chamber laser: quantitative analysis of glass, metal and ceramic artifacts in the Museum environment. Paper presented at the Federation of Analytical Chemistry and Spectroscopy Societies 36<sup>th</sup> annual meeting, October 18<sup>th</sup>-22<sup>nd</sup>, Louisville.
- 2009 MEIERHOFF, J. <sup>+</sup>, **M. GOLITKO**, & J. MORRIS<sup>+</sup>. Sourcing of obsidian from the ancient Maya farming village of Chan, Belize using portable XRF. Poster presented at the Archaeological Sciences of the Americas Symposium, October 2<sup>nd</sup>-4<sup>th</sup>, Tampa.
- 2009 **GOLITKO, M.**, D. BOSQUET, L.H. KEELEY, I. JADIN, & E. GOEMAERE. Chemical Analyses of Linienbandkeramik Ceramics and Clay Samples from the Hesbaye Region of Belgium by LA-ICP-MS. Poster presented at the third international conference of Geologica Belgica “Challenges for the Planet: Earth Sciences Perspectives,” September 14<sup>th</sup>-15<sup>th</sup>, Ghent.
- 2009 **GOLITKO, M.**, D. BOSQUET, L.H. KEELEY, I. JADIN, & E. GOEMAERE. LA-ICP-MS Analyses of early Neolithic (LBK culture) Ceramics and Clay samples from the Hesbaye region of Belgium. Poster presented at the 74<sup>th</sup> meeting of the Society for American Archaeology, April 22<sup>nd</sup>-26<sup>th</sup>, Atlanta.
- 2008 GOEMAERE, E., C. JUNGELS, **M. GOLITKO**, P. DEGRYSE, & J. SCHNEIDER. La fluorite utilisée au Paléolithique en Belgique: recherche des sources de la matière première. Paper presented at Geologica Belgica, FUNDP, October 17<sup>th</sup>, Brussels.

- 2008\* **GOLITKO, M.** & L. DUSSUBIEUX. Obsidian Analysis at the Field Museum using an Innov-X Systems portable XRF. Paper presented at “Hand-held XRF in Museums: Applications and Quantification for Anthropology and Natural History Collections,” June 5<sup>th</sup>-6<sup>th</sup>, The Field Museum of Natural History, Chicago.
- 2008 SALAVERT, A., D. BOSQUET, & **M. GOLITKO**. Temps d’ouverture, rythmicité des rejets et chronologie relative : la complémentarité des analyses anthropologiques et céramiques pour appréhender la taphonomie des fosses rubanées. Paper presented at "Taphonomie des résidus organiques brûlés et structures de combustion en contexte archéologique," May 27<sup>th</sup>-29<sup>th</sup>, Cépam, Valbonne.
- 2007\* **GOLITKO, M.**, J.E. TERRELL, L. DUSSUBIEUX, H. NEFF, & J.V. DUDGEON. Mapping Prehistoric Social Fields on the Sepik Coast of Papua New Guinea using LA-ICP-MS. Paper presented at the 7<sup>th</sup> meeting of the Lapita Archaeology Conference “Lapita Antecedents & Successors,” July 4<sup>th</sup>-7<sup>th</sup>, Honiara.
- 2007 **GOLITKO, M.**, D. BOSQUET, I. JADIN, & L.H. KEELEY. Chemical Characterization of Belgian Early Neolithic (LBK) Ceramics by LA-ICP-MS. Paper presented at the 72<sup>nd</sup> meeting of the Society for American Archaeology, April 25<sup>th</sup>-29<sup>th</sup>, Austin.
- 2006\* BOSQUET, D., V. BEUGNIER, A. DEFGNÉE, F. DELIGNE, **M. GOLITKO**, I. JADIN, C. LAURENT, F. MARTIN, R.S. QUICK, & A. SALAVERT. Une phase pionnière à l’origine du peuplement de la Hesbaye au Néolithique ancien? Le cas des maisons isolées de Remicourt, Fexhe-le-Haut Clocher, Waremme et Darion. Paper presented at “Fin des Traditions Danubiennes dans le Néolithique du Bassin Parisien et de la Belgique (5100-4700 BC),” November 24<sup>th</sup>-25<sup>th</sup>, University of Namur, Namur.
- 2006 **GOLITKO, M.** & L.H. KEELEY. Linearbandkeramik enclosures: evidence of Fortification in the early Neolithic of central Europe. Paper presented at the 71<sup>st</sup> meeting of the Society for American Archaeology, April 26<sup>th</sup>-30<sup>th</sup>, San Juan.
- 2006 SHARRATT, N., P.R. WILLIAMS, D. NASH, R.J. SPEAKMAN, M.D. GLASCOCK, **M. GOLITKO**, & L. DUSSUBIEUX. Status and Specialized Production on Wari’s Southern Frontier. Paper presented at the 71<sup>st</sup> meeting of the Society for American Archaeology, April 26<sup>th</sup>-30<sup>th</sup>, San Juan.
- 2006 SZYMCAK, J., A. COOK, W. ISBELL, R.J. SPEAKMAN, P.R. WILLIAMS, **M. GOLITKO**, & L. DUSSUBIEUX. Wari Ceramic Production at Conchopata and Cerro Baul: Insights from Sourcing Studies. Paper presented at the 71<sup>st</sup> meeting of the Society for American Archaeology, April 26<sup>th</sup>-30<sup>th</sup>, San Juan.
- 2006 DUSSUBIEUX, L., **M. GOLITKO**, P.R. WILLIAMS, & R.J. SPEAKMAN. LA-ICP-MS Analysis Applied to the Characterization of Peruvian Wari Ceramics. Paper presented at the 2006 meeting of the American Chemical Society, March 26<sup>th</sup>-27<sup>th</sup>, Atlanta.
- 2005 QUICK, R.S., D. BOSQUET, L.H. KEELEY, I. JADIN, & **M.L. GOLITKO**. Prespectins magnétiques à large échelle sur le site rubané fortifié de Waremme-Longchamps. Poster presented at Contactgroep “Prehistorie,” December 17<sup>th</sup>, Universiteit Ghent, Ghent.

#### CONFERENCE ORGANIZATION

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- 2015 Scientific Advisory Committee, “Raw materials acquisition and processing in early Neolithic Pottery Productions,” Workshop, May 29<sup>th</sup>-30<sup>th</sup>, University of Namur, Namur.
- 2015 Organizing Committee, User’s Group for Mass Spectrometry and Chromatography (MaSC) 2015 workshop. May 17<sup>th</sup>-20<sup>th</sup>, Chicago.
- 2013 “You and what Army? Papers in honor of Lawrence H. Keeley.” Session held at the 112<sup>th</sup> annual meeting of the American Anthropological Association, November 20<sup>th</sup>-24<sup>th</sup>, Chicago (co-organized with N.C. Kim and R.C. Oka).
- 2013 “Re-connecting the past: the future of social network analysis in archaeology.” Forum held at the 78<sup>th</sup> annual meeting of the Society for American Archaeology, April 3<sup>rd</sup>-7<sup>th</sup>, Honolulu (co-organized with A.A.A. Mol).

**INSTITUTIONAL SERVICE**

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- 2014-15 Co-organizer (with R. Fausseit), Field Museum “Integrating Dialogues in the Social Sciences” colloquium series
- 2012 Website redevelopment coordinator, Field Museum Department of Anthropology
- 2012 UIC Graduate Mentoring Award selection committee
- 2011 Coordinator, Field Museum Anthropology internship programs
- 2009 Graduate faculty representative, UIC Department of Anthropology
- 2007 UIC Peer facilitator (orientation of first time teaching assistants)
- 2004-06 UIC Department of Anthropology representative to the Graduate Employee Organization

**OTHER PROFESSIONAL ACTIVITY**

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- Reviewer for *American Anthropologist*, *Current Anthropology*, *Proceedings of the National Academy of Sciences of the United States of America*, *PLoS One*, *Journal of Archaeological Science*, *Archaeometry*, *Journal of Anthropological Archaeology*, *Journal of Archaeological Method and Theory*, *Science of the Total Environment*, *Cambridge Archaeological Journal*, *Journal of Field Archaeology*, *Journal of Island & Coastal Archaeology*, *Journal of Pacific Archaeology*, *Journal of Archaeological Science: Reports*, *Advances in Archaeological Practice*, *Southeastern Archaeology*, and *International Journal of Osteoarchaeology*
- Proposal reviewer for the United States National Science Foundation and the Marsden Fund (NZ)
- Society for American Archaeology (SAA), member
- European Association of Archaeologists (EAA), member
- Union International des Sciences Préhistoriques et Protohistoriques (UISPP) Commission for Archaeometry, member
- Society for Archaeological Sciences (SAS), member
- Indo-Pacific Prehistory Association (IPPA), member
- International Association for Obsidian Studies (IAOS), member
- Computer Applications & Quantitative Methods in Archaeology (CAA), member

**METHODOLOGICAL SKILLS AND LANGUAGE PROFICIENCY**

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- Uni- and multivariate statistical methods (R, SPSS, SYSTAT)
- Geographic Information Systems (ArcGIS, QGIS)
- Network analysis (R, UCINET, Gephi, Visone)
- ICP-MS and LA-ICP-MS, XRF, SEM-EDS, Petrography
- Proficiency with Microsoft Office, Photoshop, KE EMu
- English: native speaker
- German: native speaker
- French: reading proficiency
- Dutch: reading proficiency

**WEBSITES**

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Department profile: <http://anthropology.nd.edu/faculty-and-staff/faculty-by-alpha/mark-golitko/>  
 Academia.edu: <https://nd.academia.edu/httpanthropologyndedufacultyandstafffacultybyalphamarkgolitko>  
 ResearchGate.net: [https://www.researchgate.net/profile/Mark\\_Golitko](https://www.researchgate.net/profile/Mark_Golitko)  
 Google Scholar: [https://scholar.google.com/citations?user=6d\\_axo4AAAAJ&hl=en&oi=ao](https://scholar.google.com/citations?user=6d_axo4AAAAJ&hl=en&oi=ao)  
 BAKOTA project: <http://bakota.net/>

**REFERENCES**

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