

Susan C. Ferrence

Director of Publications, INSTAP Academic Press
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EDUCATION

PhD, 2008: Tyler School of Art, Temple University, Philadelphia, PA. Dissertation: "Lasithi before the New Palaces: A Study of Selected Elite Artifacts from the Hagios Charalambos Cave," Prof. P.P. Betancourt, advisor.
MA, 1999: Tyler School of Art, Temple University, Philadelphia, PA. Thesis: "Adaptation of Laser-Induced Breakdown Spectroscopy for the Analysis of Archaeological Artifacts," Prof. P.P. Betancourt, advisor.
BA, 1996: School of Visual Arts, Penn State University, University Park, PA. Art, minor in Natural Sciences.

PROFESSIONAL EXPERIENCE

2007–present: Director of Publications, INSTAP Academic Press, Philadelphia, PA
2008–present: Consulting Scholar, Mediterranean Section, Penn Museum, Philadelphia, PA
2004–2007: Managing Editor, INSTAP Academic Press, Philadelphia, PA
2003–2004: Assistant Editor, INSTAP Academic Press, Philadelphia, PA
2003: Part-time Instructor (instructor of record), Art History Survey, Tyler School of Art, Temple University, Philadelphia, PA
1999: Part-time Instructor (instructor of record), Ancient Greek Art, Tyler School of Art, Temple University, Philadelphia, PA

SCIENTIFIC COLLABORATION

2010–present: A series of X-ray Fluorescence (XRF) analyses are undertaken in partnership with AGM Archeoanalisi, Merano, Italy at the Penn Museum, Philadelphia, PA, to elementally analyze metal artifacts from the Cretan Bronze Age site of Gournia and at the INSTAP Study Center of East Crete, Pacheia Ammos, Crete, Greece to analyze metal artifacts from the sites of Petras, Livari, and Hagia Photia.
2000–2003: In partnership with the Electronic Structure and Laser (IESL) Dept. of the Foundation for Research and Technology Hellas (FORTH) in Herakleion, Crete, Greece, the LMNTI instrument, a Laser-Induced Breakdown Spectroscopy system, was developed with a team of scientists for the elemental analysis of archaeological artifacts.
1999–2002: A series of Proton-Induced X-ray Emissions (PIXE) experiments were undertaken in partnership with the Bartol Physics Laboratory at the University of Delaware to elementally characterize archaeological artifacts.

ARCHAEOLOGICAL EXCAVATION EXPERIENCE

2014–present: Field Director, Pelekita Cave Excavation, Zakros, Crete, Greece
2010–present: Metal Objects Specialist, Petras Cemetery Excavation, Siteia, Crete, Greece
2010–present: Early to Middle Minoan Pottery Specialist, Mochlos Excavation, Mochlos, Crete, Greece
2009–2012: Area Supervisor, Photographer, Artist, Petras Cemetery Excavation, Siteia, Crete, Greece
2008: Trench Supervisor, Pottery Specialist, Artist, Chryssi Island Excavation, Ierapetra, Crete, Greece
2007: Trench Supervisor, Pottery Specialist, Artist, Pacheia Ammos Excavation, Pacheia Ammos, Crete, Greece
2001–2006: Co-trench Supervisor, Pottery Specialist, Artist, Hagios Charalambos Cave Excavation, Lasithi Plain and Pacheia Ammos, Crete, Greece
2000: Artist, Cataloger, and Graphic Designer, Hagia Photia Publication Project, Hagios Nikolaos, Crete, Greece and Philadelphia, PA
1998–2000: Artist, Chrysokamino Excavation, INSTAP Study Center for East Crete, Pacheia Ammos Crete, Greece

GRANTS, FELLOWSHIPS, AWARDS, HONORS

2016: Director's Field Fund research grant, University of Pennsylvania Museum of Archaeology and Anthropology, Philadelphia, PA, for "Pelekita Cave Excavation Project"
2010–2016: Research and Excavation grants, Institute for Aegean Prehistory, Philadelphia, PA, for "Various Cretan Projects"
1998–2007: Art History Graduate Summer Travel Grant, Tyler School of Art, Temple University, Philadelphia, PA
1998–2006: Art History Grad. Fellowship, Tyler School of Art, Temple University, Philadelphia, PA

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BOOKS

Betancourt, P.P., and S.C. Ferrence, eds. 2011. *Metallurgy: Understanding How, Learning why. Studies in Honor of James D. Muhly (Prehistory Monographs 29)*, Philadelphia.

SELECTED ARTICLES

- Ferrence, S.C., A. Giumlia-Mair, P.P. Betancourt, and Y. Papadatos. 2022. "Early Minoan IB Metal Objects of East Crete," in *Kleronomia: Legacy and Inheritance. Studies on the Aegean Bronze Age in Honor of Jeffrey S. Soles (Prehistory Monographs 61)*, Joanne Murphy and Jerolyn Morrison, eds., Philadelphia, pp. 11–31.
- Giumlia-Mair, A., S.C. Ferrence, J.D. Muhly, and P.P. Betancourt. 2021. "New Evidence for Sophisticated Goldworking Techniques from Middle Minoan Crete," in *Proceedings of 5th International Conference "Archaeometallurgy in Europe" 19–21 June 2019, Miskolc, Hungary (Monographies Instrumentum 73)*, B. Török and A. Giumlia-Mair, eds., Drémil-Lafage, pp. 405–416.
- Ferrence, S.C., P.P. Betancourt, and J.D. Muhly. 2020. "A Stellar Seal Ring from the Pre- and Protopalatial Cemetery of Petras: Iconographic Connection with the Near East," in *Αρχαιολογικό έργο Κρήτης 4: πρακτικά της 4ης συνάντησης, Ρέθυμνο, 24–27 Νοεμβρίου 2016*, vol. A, Π. Καραναστάση, Α. Τζιγκουνάκη, Χ. Τσιγωνάκη, eds., Rethymnon, pp. 443–553.
- Κάντα, Α., S.C. Ferrence, and L. Bonga. 2020. "Σπήλαιο Πελεκητών Ζάκρου 2014, 2015. Προκαταρκτική Έκθεση των εργασιών," in *Αρχαιολογικό έργο Κρήτης 4: πρακτικά της 4ης συνάντησης, Ρέθυμνο, 24–27 Νοεμβρίου 2016*, vol. B, Π. Καραναστάση, Α. Τζιγκουνάκη, Χ. Τσιγωνάκη, eds., Rethymnon, pp. 765–776.
- Giumlia-Mair, A.R., and S.C. Ferrence. 2019. "Analyses of Cretan Metalwork," in *New Results and Analytical Methods to Characterize Pre- and Protohistoric Metals and Other Inorganic Materials (UISPP Journal 2: The Journal of the International Union for Prehistoric and Protohistoric Sciences, Special Issue 1-2019)*, B. Török, A. Giumlia-Mair, M.P. Riccardi, P. Barkóczy, guest eds., Ferrara, pp. 12–23.
- Giumlia-Mair, A.R., P.P. Betancourt, and S.C. Ferrence. 2018. "Arsenic in the Network: Arsenical Copper in Minoan Crete," in *Bronze Age Metallurgy on Mediterranean Islands. Volume in Honor of Robert Maddin and Vassos Karageorgis (Monographie Instrumentum 56)*, A. Giumlia-Mair and F. Lo Schiavo, eds., Drémil-Lafage, France, pp. 520–540.
- Ferrence, S.C., and A. Giumlia-Mair. 2017. "Minoan Status Symbols: Tweezers, 'Weaving Hooks,' and Cosmetic Scrapers," in *Artistry in Bronze: The Greeks and Their Legacy. XIXth International Congress on Ancient Bronzes*, J. Daehner, K. Lapatin, and A. Spinelli, eds., Los Angeles, pp. 247–252.
- Ferrence, S.C. 2017. "The Development of Clothed Figurines in Bronze Age Crete as Demonstrated by the Small Idols from Hagios Charalambos," in *Cycladica in Crete: Cycladic and Cycladicizing Figurines within Their Archaeological Context. Proceedings of the International Symposium, Museum of Cycladic Art, October 1–2, 2015, Athens, Greece*, P. Sotirakopoulou, ed., Athens, pp. 537–550.
- Betancourt, P.P., J.D. Muhly, and S.C. Ferrence. 2017. "A Gold and Lapis Lazuli Bead from Petras, Crete," *Overturning Certainties in Near Eastern Archaeology: A Festschrift in Honor of K. Aslihan Yener (Culture and History of the Ancient Near East 90)*, Ç. Maner, M.T. Horowitz, and A.S. Gilbert, eds., Leiden, pp. 67–81.
- Apostolakou, V., T.M. Brogan, S.C. Ferrence, and P.P. Betancourt. 2017. "Interpretation of the Rock Shelter," *The Alatzomouri Rock Shelter: An Early Minoan III Deposit in Eastern Crete (Prehistory Monographs 58)*, V. Apostolakou, T.M. Brogan, and P.P. Betancourt, eds., Philadelphia, pp. 111–114.
- Giumlia-Mair, A., P.P. Betancourt, S.C. Ferrence, and J.D. Muhly. 2017. "Special Silver Alloys from the Pre- and Protopalatial Cemetery of Petras, Crete," in *Petras, Siteia: The Pre- and Protopalatial Cemetery in Context. Acts of a Two-day Conference Held at the Danish Institute at Athens, 14–15 February 2015 (Monographs of the Danish Institute at Athens 21)*, M. Tsipopoulou, ed., Athens, pp. 203–214.
- Betancourt, P.P., S.C. Ferrence, and J.D. Muhly. 2016. "Cycladic and More Northerly Connections in the Metal Objects from Petras Cemetery," in *Studies in Aegean Art and Culture. A New York Aegean Bronze Age Colloquium in Memory of Ellen N. Davis*, Robert B. Koehl, ed., Philadelphia, pp. 35–46.
- Betancourt, P.P., S.C. Ferrence, V. Apostolakou, T.M. Brogan, E. Nodarou, and F.S.C. Hsu. 2016. "Origins of the Mycenaean Lustrous Dark-on-Light Pottery Technology," in *RA-PI-NE-U. Studies on the Mycenaean World Offered to Robert Laffineur for His 70th Birthday (Aegis 10)*, J. Driessen, ed., Louvain-la-Neuve, pp. 63–68.

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- Ferrence, S.C., A. Kanta, L. Bonga, D. Mylona, T. Carter, F. McCoy, J. Morgan, and C. Davaras. 2016. "Preliminary Report on the 2014 and 2015 Excavation Seasons in the Pelekita Cave, Zakros, Crete," in *Abstracts of the 117th Annual Meeting of the Archaeological Institute of America, January 6–9, 2016, San Francisco, CA*, Boston, p.
- Betancourt, P.P. S.C. Ferrence, and L.C. Langford-Verstegen. 2015. "The Pottery Statistics," in *Hagios Charalambos: A Minoan Burial Cave in Crete. II: The Pottery (Prehistory Monographs 51)*, Philadelphia, pp. 101–118.
- Giumlia-Mair, A., S.C. Ferrence, and P.P. Betancourt. 2015. "Metallurgy of the Copper-based Objects from Gournia, East Crete," in *Archaeometallurgy in Europe III. Proceedings of the 3rd International Conference, Deutsches Bergbau-Museum Bochum, June 29 – July 1, 2011 (Der Anschnitt 26)*, A. Hauptmann and D. Modarressi-Tehrani, eds., Bochum, pp. 145–153.
- Giumlia-Mair, A., and S.C. Ferrence. 2014. "Archaeometallurgy at the Kentro," *KENTRO: The Newsletter of the INSTAP Study Center for East Crete* 17, pp. 9–12.
- Betancourt, P.P., and S.C. Ferrence. 2014. "Figurines," in *Hagios Charalambos: A Minoan Burial Cave in Crete. I: Excavation and Portable Objects (Prehistory Monographs 47)*, Philadelphia, pp. 49–54.
- Betancourt, P.P., and S.C. Ferrence. 2014. "Seals," in *Hagios Charalambos: A Minoan Burial Cave in Crete. I: Excavation and Portable Objects (Prehistory Monographs 47)*, Philadelphia, pp. 63–68.
- Betancourt, P.P., C. Davaras, S.C. Ferrence, L.C. Langford-Verstegen, A. Stamos, M. Tsiboukaki, and G.M. Weng. 2014. "Excavations inside the Cave," in *Hagios Charalambos: A Minoan Burial Cave in Crete. I: Excavation and Portable Objects (Prehistory Monographs 47)*, Philadelphia, pp. 21–30.
- Ferrence, S.C., and A. Giumlia-Mair. 2014. "Bronze Age Metal Objects from East Crete, Greece," *ISIJ International* 54:5, pp. 1139–1146.
- Ferrence, S.C., J.D. Muhly, and P.P. Betancourt. 2012. "Affluence in Eastern Crete: Metal Objects from the Cemetery of Petras," *Petras, Siteia: 25 Years of Excavations and Studies (Monographs of the Danish Institute at Athens 16)*, M. Tsipopoulou, ed., Aarhus, pp. 133–141.
- Ferrence, S.C. 2011. "Variety is the Spice of Life: Figurines from the Cave of Hagios Charalambos," *10th International Cretological Congress, Chania, 1-8 October 2006*, vol. A3, Chania, pp. 597–611.
- Ferrence, S.C. 2011. "Introduction," in *Metallurgy: Understanding How, Learning why. Studies in Honor of James D. Muhly (Prehistory Monographs 29)*, P.P. Betancourt and S.C. Ferrence, eds., Philadelphia, pp. xxxiii–xxxv.
- Betancourt, P.P., C. Davaras, H.M.C. Dierckx, S.C. Ferrence, J. Hickman, P. Karkanes, P.J.P. McGeorge, J.D. Muhly, D.S. Reese, E. Stravopodi, L.C. Langford-Verstegen, and S. Chlouveraki. 2008. "Excavations in the Hagios Charalambos Cave: A Preliminary Report," *Hesperia* 77, pp. 539–605.
- Ferrence, S.C. 2008. "Is There Iconography of the Minoan Feast?" in *DAIS: The Aegean Feast. Proceedings of the 12th International Aegean Conference*, L. Hitchcock, R. Laffineur, and J. Crowley, eds., Liège, pp. 269–275.
- Ferrence, S.C. 2007. "Hippopotamus Ivory in EM–MM Lasithi and the Implications for Eastern Mediterranean Trade: New Evidence from Hagios Charalambos," in *Krinoi kai Limenes: Studies in Honor of Joseph and Maria Shaw (Prehistory Monographs 22)*, P.P. Betancourt, M.C. Nelson, and H. Williams, eds., Philadelphia, pp. 167–175.
- Ferrence, S.C. 2007. Review of "The Prehistoric Archaeology of the Aegean" website by Jeremy B. Rutter in *The CSA Newsletter*, vol. XX, no. 1, Spring 2007. <http://www.csanet.org/newsletter/-spring07/nls0701.html>.
- Ferrence, S.C. 2006. "Wealth and Sophistication in the Cave of Hagios Charalambos, Lasithi, Crete," in *108th Annual Meeting Abstracts of the Archaeological Institute of America, January 4–7, 2007, San Diego, CA*, Boston, p. 10.
- Ferrence, S.C., and B. Koukaras. 2006. "Miscellaneous Ceramic Artifacts," in *The Chrysokamino Metallurgy Workshop and Its Territory (Hesperia Suppl. 36)*, P.P. Betancourt, Princeton, pp. 133–136.
- Ferrence, S.C., and E.B. Shank. 2006. "Evidence for Beekeeping," in *The Chrysokamino Metallurgy Workshop and Its Territory (Hesperia Suppl. 36)*, P.P. Betancourt, Princeton, pp. 391–392.
- Ferrence, S.C., and C.P. Swann. 2006. "Arsenic Content of Copper Prills: A Study Applying PIXE," in *The Chrysokamino Metallurgy Workshop and Its Territory (Hesperia Suppl. 36)*, P.P. Betancourt, Princeton, pp. 321–324.
- Ferrence, S.C., and G. Bendersky. 2005. "Deformity in the 'Boxing Boys'," *Perspectives in Biology and Medicine* 48.1 (Winter), pp. 105–123.
- Ferrence, S.C., and G. Bendersky. 2004. "Therapy with Saffron and the Goddess of Thera," *Perspectives in Biology and Medicine*, 47.2 (Spring), pp. 199–226.
- Ferrence, S.C., K. Melessanaki, M. Mateo, P.P. Betancourt, and D. Anglos. 2003. "Adaptation of Laser-Induced Breakdown Spectroscopy (LIBS) for the Analysis of Archaeological Artifacts," *METRON: Measuring the Aegean*

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- Bronze Age, Proceedings of the 9th International Aegean Conference*, Yale University, New Haven, April 18–21, 2002, K.P. Foster and R. Laffineur, eds., Liège, Belgium: Université de Liège, pp. 111–116.
- Ferrence, S.C., K. Melessanaki, M.P. Mateo, D. Anglos, and P.P. Betancourt. 2003. "The Analysis of Metal Pin 1.22," in *Pseira VII: The Pseira Cemetery, Part 2: The Cemetery Excavations (Prehistory Monographs 6)*, P.P. Betancourt and C. Davaras, eds. Philadelphia, pp. 16–17.
- Ferrence, S.C., P.P. Betancourt, and C.P. Swann. 2002. "Analysis of Minoan White Pigments Used on Pottery from Kommos, Palaikastro, Mochlos, and Knossos," *Nuclear Instruments and Methods in Physics Research B*, 189, pp. 364–368.
- Ferrence, S.C., K. Melessanaki, M.P. Mateo, and D. Anglos. 2002. "A New Link between the Shaft Graves of Mycenae and Crete: Silver Coatings for Bronze Rivets on Aegean Daggers," *American Journal of Archaeology* 106, pp. 251.
- Melessanaki, K., M. Mateo, S.C. Ferrence, P.P. Betancourt, and D. Anglos. 2002. "The Application of LIBS for the Analysis of Archaeological Ceramic and Metal Artifacts," *Applied Surface Science* 197–198, pp. 156–163.
- Melessanaki, K., S.C. Ferrence, P.P. Betancourt, and D. Anglos. 2002. "Application of LIBS in the Analysis of Archaeological Objects," in *ICO XIX Optics for the Quality of Life: 19th Congress of the International Commission for Optics, Florence, Italy, 25–31 August 2002, Technical Digest*, Part 1, A. Consortini and G.C. Righini, eds., pp. 103–104.
- Ferrence, S.C., C.P. Swann, and P.P. Betancourt. 2001 [2003]. "PIXE Analysis of White Pigments on Pottery from Five Bronze Age Minoan Archaeological Sites," *Aegean Archaeology* 5, pp. 47–54.
- Ferrence, S.C., K. Melesanaki, and D. Anglos. 2001. "Adaptation of Laser-Induced Breakdown Spectroscopy for the Analysis of Archaeological Artifacts," *American Journal of Archaeology* 105:3, pp. 520.
- Ferrence, S.C. K. Melesanaki, T. Stratoudaki, D. Stambouli, D. Anglos, and P. Betancourt. 2000. "Analysis of Archaeological Materials Using Laser-Induced Breakdown Spectroscopy," in *Physics in Culture I*, K.M. Paraskevopoulos, ed., Thessaloniki, pp. 186–193.
- Swann, C.P., S.C. Ferrence, P.P. Betancourt. 2000. "Analysis of Minoan White Pigments Used on Pottery from Palaikastro," *Nuclear Instruments and Methods in Physics Research B*, pp. 714–717.

FORTHCOMING PUBLICATIONS

- Betancourt, P.P., S.C. Ferrence, and A. Giumlia-Mair. Forthcoming. *The Cretan Collection in the University of Pennsylvania Museum III: Metal Objects from Gournia (Prehistory Monographs)*, Philadelphia.
- Bonga, L.A., and S.C. Ferrence. Forthcoming. "Pelekita Cave, Kato Zakros, Crete: Initial Excavation Report and First Findings from the Neolithic Pottery Study," in *Proceedings of the Conference Southeast Aegean/Southwest Coastal Anatolian Region (SASCAR): Material Evidence and Cultural Identity. I. The Early and Middle Bronze Age, May 12–14, 2016, Italian School of Archaeology, Athens, Greece*, T. Marketou and S. Vitale, eds., Athens.

MANUSCRIPTS IN PREPARATION

- Ferrence, S.C., P.P. Betancourt, J.D. Muhly, and A. Giumlia-Mair, "Metal Objects from House Tomb 2," in *The Minoan Cemetery of Petras in Eastern Crete: House Tombs 2, 4, and 10* (working title), M. Tsipopoulou, ed.
- Muhly, J.D., P.P. Betancourt, S.C. Ferrence, and A. Giumlia-Mair, "Metal Objects from House Tomb 4," in *The Minoan Cemetery of Petras in Eastern Crete: House Tombs 2, 4, and 10* (working title), M. Tsipopoulou, ed.
- Ferrence, S.C., J.D. Muhly, P.P. Betancourt, A. Giumlia-Mair, and T.M. Brogan, "Metal Objects from House Tomb 10," in *The Minoan Cemetery of Petras in Eastern Crete: House Tombs 2, 4, and 10* (working title), M. Tsipopoulou, ed.
- Ferrence, S.C. *Hagios Charalambos Cave III: The History of Minoan Lasithi (Prehistory Monographs)*, Philadelphia.
- Papit, J.L., and S.C. Ferrence, "Uses for Quarried Stones in the Bronze Age Settlement," in *Pseira: Lithic Industries in Late Bronze Age Crete* (working title), P.P. Betancourt, ed.
- Ferrence, S.C., "Mini-aryballoi from Hagia Photia and the Aegean," in *The Hagia Photia Cemetery III*, C. Davaras and P.P. Betancourt, eds., Philadelphia.

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CONFERENCE PAPERS AND POSTERS AND GUEST LECTURES

- Minoan Luxury and Magic: Jewelry from the Cemetery at Petras, Crete, Nov. 6, 2021, symposium at Penn Museum, University of Pennsylvania, Philadelphia. Paper: "Elegance and Magic: Symbolism in the Jewelry from the Petras Cemetery."
- International Conference on Gesture, Stance, and Movement: Communicating Bodies in the Aegean Bronze Age, Nov. 11–13, 2021, University of Heidelberg, Germany. Paper: "Two Embracing Men: A Mysterious Gold Pendant from the Cemetery of Petras, Siteia, Crete," S.C. Ferrence, P.P. Betancourt, A. Giumlia-Mair, and J.D. Muhly.
- 5th International Conference on Archaeometallurgy in Europe, June 19–21, 2019, Miskolc, Hungary. Poster: "New Evidence for Sophisticated Goldworking Techniques from Middle Minoan Crete," A. Giumlia-Mair, S.C. Ferrence, J.D. Muhly, and P.P. Betancourt.
- OPTO-CH 2019 Summer Course on Advanced Laser-based Techniques in Heritage Conservation, Diagnosis, and Analysis sponsored by the KRIPIS-POLITEIA II Project, Institute of Electronic Structure and Laser (IESL)—Foundation for Research and Technology Hellas (FORTH), June 4, 2019, Halkidiki, Crete, Greece. Guest lecture: "Precious Metal Objects from the Cemetery of Petras: Luxury and Magic," S.C. Ferrence, and A. Giumlia-Mair.
- INSTAP Study Center for East Crete Summer Lecture Series, May 31, 2019, Pacheia Ammos, Crete, Greece. Guest lecture: "Precious Metal Objects from the Cemetery of Petras: Luxury and Magic," S.C. Ferrence, and A. Giumlia-Mair.
- Distinguished Alumni Art History Lecture Series, October 23, 2018, Tyler School of Art, Temple University, Philadelphia, PA. Guest lecture: "Affluence in Eastern Crete: Metal Objects from the Minoan Cemetery of Petras."
- XVIII UISPP World Congress, June 4–9, 2018, Paris, France. Paper: "Macro vs. Micro: Case Studies in Understanding the Visual Analysis of Minoan Ceramic Fabrics," S.C. Ferrence and J.E. Morrison.
<https://uispp2018.sciencesconf.org/?forward-action=index&forward-controller=index&lang=en>.
- 4th Pancretan Scientific Conference for Archaeological Work in Crete, November 24–17, 2016, Rethymnon, Crete, Greece. Paper: "A Stellar Seal Ring from the Cemetery of Petras: Iconographic Connection with the Near East," S.C. Ferrence, P.P. Betancourt, and J.D. Muhly.
- 4th Pancretan Scientific Conference for the Archaeological Work in Crete, November 24–17, 2016, Rethymnon, Crete, Greece. Paper in Greek: "Preliminary Report on the 2014 and 2015 Excavation Seasons in the Pelekita Cave, Zakros, Crete," A. Kanta, S.C. Ferrence, L. Bonga, D. Mylona, T. Carter, F. McCoy, J. Morgan, and C. Davaras.
- 1st International Scientific Conference of the UISPP Commission on Archaeometry of Pre- and Protohistoric Inorganic Artifacts, Materials, and Technologies: Latest Results and Examination Methodologies of Pre- and Protohistoric Metals and Other Inorganic Materials, October 14, 2016, Miskolc, Hungary. Paper: "Analysis of Cretan Metalwork," A.R. Giumlia-Mair, S.C. Ferrence.
- 12th International Congress of Cretan Studies, September 21–25, 2016, Herakleion, Crete, Greece. Paper: "Early Minoan IB Metal Objects of East Crete," S.C. Ferrence, A. Giumlia-Mair, J.D. Muhly, P.P. Betancourt, and Y. Papadatos.
- The Southeast Aegean/Southwest Coastal Anatolian Region (SASCAR): Material Evidence and Cultural Identity. I. The Early and Middle Bronze Age, May 12–14, 2016, Italian School of Archaeology, Athens, Greece. Paper: "Pelekita Cave, Kato Zakros, Crete: Initial Excavation Report and First Finding from the Neolithic Pottery Study," L.A. Bonga and S.C. Ferrence.
- 117th Annual Meeting of the Archaeological Institute of America, January 6–9, 2016, San Francisco, CA. Paper: "Preliminary Report on the 2014 and 2015 Excavation Seasons in the Pelekita Cave, Zakros, Crete," S.C. Ferrence, A. Kanta, L. Bonga, D. Mylona, T. Carter, F. McCoy, J. Morgan, and C. Davaras.
- XIX International Congress on Ancient Bronzes, October 13–17, 2015, J. Paul Getty Museum, Los Angeles, CA. Paper: "Minoan Status Symbols: Tweezers, 'Weaving Hooks,' and Cosmetic Scrapers," S.C. Ferrence and A. Giumlia-Mair.
- Symposium on Cycladic and Cycladicizing Figurines from Crete, October 2–3, 2015, Museum of Cycladic Art, Athens, Greece. Paper: "Figurines from Hagios Charalambos: The Development of Clothed Figures in Minoan Crete."

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- International Symposium "Greek Mythology and Modern Regeneration," August 1, 2015, Psychro, Crete, Greece.
Paper: "Wealth and Sophistication Preserved in the Cave of Hagios Charalambos, Lasithi, Crete."
- The 2nd International Petras Symposium: The Pre- and Protopalatial Cemetery in Context, Danish Institute at Athens, February 14–15, 2015. Paper: "Special Silver Alloys from the Prepalatial Cemetery of Petras, Crete," A. Giumlia-Mair, P.P. Betancourt, S.C. Ferrence, and J.D. Muhly.
- International Conference on Interdisciplinary Studies of Ancient Materials from the Mediterranean, 17–19 September 2014, Nicosia, Cyprus. Paper: "XRF Analysis of Silver Alloys from the EM I–MM IIA Cemetery of Petras, Crete," A. Giumlia-Mair, S.C. Ferrence, J.D. Muhly, and P.P. Betancourt.
- BUMA VIII: The Eighth International Conference on the Beginnings of the Use of Metals and Alloys, 10–15 September 2013, Nara, Japan. Poster: "Bronze Age Metal Objects from East Crete, Greece," S.C. Ferrence and A. Giumlia-Mair.
- Aegean Colloquium, Institute of Fine Arts, New York University, March 16, 2012. Guest lecture: "Affluence in Eastern Crete: Metal Objects from the Cemetery of Petras."
- AIA Narragansett Society, Brown University, Providence, RI, Sept. 23, 2011. Guest lecture: "Connections between the Crocus and Ancient Medicine: Was the Enthroned Goddess from Thera Associated with Healing?"
- 23rd International Conference Archaeometallurgy in Europe 2011, Deutsches Bergbau-Museum Bochum, Germany, June 29–July 1. Paper: "XRF Analysis of Metal Objects from Gournia, Crete," A. Giumlia-Mair, S.C. Ferrence, and P.P. Betancourt.
- Petras-Siteia: 25 Years of Excavations and Studies. A Two-day Symposium, Danish Institute, Athens, October 9–10. Paper: "Affluence in Eastern Crete: Metal Objects from the Cemetery of Petras," S.C. Ferrence, J.D. Muhly, and P.P. Betancourt.
- KOSMOS: Jewelry, Adornment, and Textiles in the Aegean Bronze Age, the 13th International Aegean Conference, University of Copenhagen, Denmark, April 23–26. Paper: "Miniature Collared Jars and Bone Tubes from the Early Bronze Age Aegean."
- Tyler School of Art, Temple University, March 16, 2010. Guest lecture: "Connections between the Crocus and Ancient Medicine: Was the Enthroned Goddess from Thera Associated with Healing?"
- Wittenberg University, Springfield, OH, October 16, 2009. Guest lecture: "Archaeology and Iconography: Therapy with Saffron and the Goddess at Thera."
- DAIS: The Aegean Feast, the 12th International Aegean Conference, Melbourne, Australia, March 25–29, 2008. Paper: "Is There Iconography of the Minoan Feast?"
- 108th Annual Meeting of the Archaeological Institute of America, San Diego, CA, January 4–7, 2007. Paper: "Wealth and Sophistication in the Cave of Hagios Charalambos, Lasithi, Crete."
- 10th International Cretological Congress, Chania, Crete, Greece, October 1–8, 2006. Paper: "Variety is the Spice of Life: Figurines from the Cave of Hagios Charalambos."
- Land and Sea: Trade and Exchange within the Eastern Mediterranean and West Asia during the Bronze Age, Graduate Student Conference, University of Pennsylvania Museum of Archaeology and Anthropology, April 28–29, 2005. Paper: "Hippopotamus Ivory in EM–MM Lasithi and the Implications for Eastern Mediterranean Trade: New Evidence from Hagios Charalambos."
- 9th Annual Philadelphia Symposium on the History of Art, Philadelphia Museum of Art, March 27, 2004. Paper: "The Panacea of Xeste 3: The All-Healing Power of the Saffron Goddess at Akrotiri."
- METRON: Measuring the Aegean Bronze Age, 9th International Aegean Conference, Yale University, New Haven, April 18–21, 2002. Paper: "Adaptation of Laser-Induced Breakdown Spectroscopy (LIBS) for the Analysis of Archaeological Artifacts," S.C. Ferrence, K. Melessanaki, M. Mateo, P.P. Betancourt, and D. Anglos.
- 103rd Annual Meeting of the Archaeological Institute of America, Philadelphia, PA, January 3–6, 2002. Poster: "A New Link between the Shaft Graves of Mycenae and Crete: Silver Coatings for Bronze Rivets on Aegean Daggers," S.C. Ferrence, K. Melessanaki, M. Mateo, and D. Anglos.
- 9th International Conference on Particle-Induced X-ray Emission and Its Analytical Applications, Guelph, ON, Canada, June 8–12, 2001. Poster: "Analysis of Minoan White Pigments Used on Pottery from Kommos, Palaikastro, Mochlos, and Knossos," S.C. Ferrence, P.P. Betancourt, and C.P. Swann.
- 9th International Conference on Particle-Induced X-ray Emission and Its Analytical Applications, Guelph, ON, Canada, June 8–12, 2001. Poster: "Arsenic Content of Copper Prills from the Minoan Site at Chrysokamino, Crete: A

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Study Applying PIXE and SEM/EDAX," S.C. Ferrence, C.P. Swann, Y. Bassiakos, and P.P. Betancourt.
102nd Annual Meeting of the Archaeological Institute of America, San Diego, CA, January 3–6, 2001. Poster:
"Adaptation of Laser-Induced Breakdown Spectroscopy for the Analysis of Archaeological Artifacts," S.
Ferrence, K. Melesanaki, and D. Anglos.
7th International Conference on Nuclear Microprobe Technology and Applications (ICNMTA-2000), Bordeaux,
France, September 10–15, 2000. Poster: "Analysis of Minoan White Pigments used on Pottery from Kommos,
Palaikastro, Mochlos, and Knossos," S.C. Ferrence, P.P. Betancourt, and C.P. Swann.
The First Balkan Conference on Physics in Culture, Thessaloniki, Greece, October 28–30, 1999. Poster: "Analysis of
Archaeological Materials Using Laser-Induced Breakdown Spectroscopy," S.C. Ferrence, K. Melesanaki, T.
Stratoudaki, D. Stambouli, D. Anglos, and P.P. Betancourt.
Joint Proceedings of the 14th International Conference on Ion Beam Analysis (IBA-14) and the 6th European
Conference on Accelerators in Applied Research and Technology (ECAART-6), Dresden, Germany, July 26–30,
1999. Poster: "Analysis of Minoan White Pigments Used on Pottery from Palaikastro," C.P. Swann, S.C.
Ferrence, and P.P. Betancourt.

PROFESSIONAL SERVICE

2006–2011: Membership Secretary, Philadelphia Society of the Archaeological Institute of America.
2006–2011: Philadelphia Society Delegate to the 107th–112th Annual Meetings of the Archaeological Institute of
America, Montreal, San Diego, Chicago, Philadelphia, Anaheim, and San Antonio.
1999–2007: Secretary (1999), graduate coordinator (1999), and member, Graduate Art History Organization
(GAHO), Tyler School of Art, Temple University, Philadelphia, PA.

PROFESSIONAL AND ALUMNI MEMBERSHIPS

2015–present: Association University Presses
2000–present: Archaeological Institute of America
1997–present: Penn State Alumni Association
1995–present: Golden Key National Honor Society
2002–2008: College Art Association

TEACHING INTERESTS

Aegean Bronze Age Art History and Archaeology
Ancient Greek Art History from the Bronze Age through Hellenistic Periods
Science and Archaeology
Western Survey of Art History

ADDITIONAL RELATED WORK EXPERIENCE

1997: Registrar's Office Volunteer, Palmer Museum of Art, Penn State University.
1996: Conservation Intern, The Carnegie Museum of Art, Pittsburgh, PA.
1996: Archival Intern, The Andy Warhol Museum, Pittsburgh, PA.
1995: Administrative and Gallery Assistant, Pittsburgh Center for the Arts, Pittsburgh, PA.
1994–1996: Gallery Assistant, Zoller Gallery, Penn State University.