

# Dr. Domenico Giusti

## CONTACTS:

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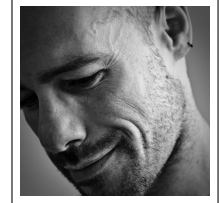
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Dr. Giusti's main research interest lies in the study of archaeological site formation processes through spatial analysis. He is specialized in computer applications and quantitative methods in archaeological research. Since 2009 he is active in international archaeological research projects.

Main research interests: •Palaeolithic archaeology •Site formation processes •Taphonomy •Spatial analysis

## Current position

🏢 **Research-Technician**, since 2017

*Senckenberg Centre for Human Evolution and Palaeoenvironment (SHEP) &  
Eberhard Karls Universität Tübingen - AG: Paläoanthropologie*

Activities: GIS-based documentation of archaeological excavations and surveys, image-based modeling, database management, exploratory and hypothesis-driven spatial data analysis.

## Academic background

🎓 **PhD**, 2014–2018

Doctor of Science (Dr. rer. nat.) in Archaeological Science  
*Eberhard Karls Universität Tübingen*

Thesis: “Application of spatial statistics to the study of site formation processes”  
(grade: magna cum laude)

🎓 **MSc**, 2010–2012

International Master in Quaternary and Prehistory  
*University of Ferrara, Italy*

Thesis: “Application of spatial technologies to the Paleolithic site of Pirro Nord (Apricena), Italy”  
(grade: 30/30)






🎓 **MA (pre Bologna process)**, 1998–2006

Master in Cultural Heritage Management  
*University of Perugia, Italy*


Thesis: “The ethnographic museums in the province of Teramo, Italy: A museographic survey”  
(grade: 102/110)

## Other education and training


### MOOCs

-  *Reproducible Research*, 2021  
Offered by: Johns Hopkins University through Coursera
-  *R Programming*, 2021  
Offered by: Johns Hopkins University through Coursera
-  *The Data Scientist's Toolbox*, 2021  
Offered by: Johns Hopkins University through Coursera
-  *Machine Learning*, 2020  
Offered by: Stanford University through Coursera
-  *AI For Everyone*, 2020  
Offered by: deeplearning.ai through Coursera


### PROFESSIONAL COURSE

-  *GIS (Geographic Information System) with Free Software*, 2012  
Offered by: CTS Bozen, University of Bozen, TrueLite, Faunalia

### SHORT COURSES

-  *QGIS/GRASS*, 2011  
Offered by: Faunalia
-  *Principles and Applications of Global Positioning System (GPS)*, 2011  
Offered by: CGT, University of Siena
-  *DataBase*, 2011  
Offered by: CGT, University of Siena

## Teaching activities

-  **Adjunct Lecturer** at the *Eberhard Karls Universität Tübingen*, 2021  
Class: 'Open Science. Basic principles and best practices'

## Fieldwork experience

### ARCHAEOLOGICAL EXCAVATIONS

- 📍 *Sala del Fuoco, Grotta del Fiume*, 2021, Frasassi, Italy [Scientific and field director]
- 📍 *TSR*, 2015–2021, Macedonia, Greece
- 📍 *Marathousa 1*, 2014–2019, Megalopolis, Greece
- 📍 *Dibbe Rockshelter*, 2018, Oromiya, Ethiopia
- 📍 *Morfi*, 2017, Epirus, Greece
- 📍 *Pirro Nord*, 2010–2015, Apricena, Italy
- 📍 *Gradiscje di Codroipo*, 2009, Codroipo, Italy

## ARCHAEOLOGICAL SURVEYS

- 📍 *Megalopolis Basin*, 2018–2021, Peloponnese, Greece
- 📍 *Awash-Megenta*, 2018, Afar, Ethiopia
- 📍 *Middle Kalamas*, 2015–2016, Epirus, Greece
- 📍 *Mygdonia Basin*, 2014, Macedonia, Greece

## Professional experience

## RESCUE ARCHAEOLOGY

- 📍 *archeoRes*, 2013, Cremona, Italy
- 📍 *Arc-Team*, 2013, Laives/Leifers, Italy
- 📍 *Archeologia e Restauro*, 2013, Bologna, Italy
- 📍 *Archeologia e Restauro*, 2010–2012, Bologna, Italy
- 📍 *AR/S Archeosistemi*, 2009, Vicenza, Italy

## MUSEUMS

- 🏛️ *Centro di Documentazione del Mondo Agricolo Ferrarese*, 2008–2009, Italy
- 🏛️ *Comune di Ferrara, Centro di Documentazione storica*, 2007–2008, Italy
- 🏛️ *Museo Civico Archeologico di Teramo*, 2007, Italy
- 🏛️ *Museo Etnografico Teramano*, 2006–2007, Italy

## PUBLIC SECTOR

- 🏢 *Regione Abruzzo*, 2006, Italy

## Memberships

*European Society for the Study of Human Evolution (ESHE); Computer Applications and Quantitative Methods in Archaeology (CAA)*

## Reviewer for journals

*Journal of Archaeological Science, Journal of Archaeological Science: Reports, Journal of Human Evolution, Archaeological and Anthropological Sciences*

## Publications

## PEER-REVIEWED JOURNAL ARTICLES

- 📄 Starkovich B. M., Cuthbertson P., Kitagawa K., Thompson N., Konidaris G. E., Rots V., Münzel S. C., **Giusti D.**, Schmid V. C., Blanco-Lapaz A., Lepers C., Turlouk V. 2021. Minimal Tools, Maximum Meat: A Pilot Experiment to Butcher an Elephant Foot and Make Elephant Bone Tools Using Lower Paleolithic Stone Tool Technology. *Ethnoarchaeology*. DOI: [10.1080/19442890.2020.1864877](https://doi.org/10.1080/19442890.2020.1864877).

- ☐ Sahle Y., **Giusti D.**, Tourloukis V. 2019. Newly discovered Middle Pleistocene hominid-bearing deposits from the Lower Awash basin, Ethiopia. *Anthropological Science* Brief Communication. DOI: [10.1537/ase.190603](https://doi.org/10.1537/ase.190603).
- ☐ Sahle Y., **Giusti D.**, Gossa T., Ashkenazy H. 2019. Exploring karst landscapes: new prehistoric sites in south-central Ethiopia. *Antiquity* Project Gallery 93 (370), 1–6. DOI: [10.15184/aqy.2019.94](https://doi.org/10.15184/aqy.2019.94).
- ☐ **Giusti D.**, Konidaris G. E., Tourloukis V., Marini M., Maron M., Zerboni A., Thompson N., Koufos G., Kostopoulos D. S., Harvati K. 2019. Recursive anisotropy: a spatial taphonomic study of the Early Pleistocene vertebrate assemblage of Tsiotra Vryssi, Mygdonia Basin, Greece. *BOREAS* 48 (3), 713–730. DOI: [10.1111/bor.12368](https://doi.org/10.1111/bor.12368).
- ☐ **Giusti D.**, Tourloukis V., Konidaris G. E., Thompson N., Karkanas P., Panagopoulou E., Harvati K. 2018. Beyond maps: Patterns of formation processes at the Middle Pleistocene open-air site of Marathousa 1, Megalopolis Basin, Greece. *Quaternary International* 497, 137–153. DOI: [10.1016/j.quaint.2018.01.041](https://doi.org/10.1016/j.quaint.2018.01.041).
- ☐ Karkanas P., Tourloukis V., Thompson N., **Giusti D.**, Panagopoulou E., Harvati K. 2018. Sedimentology and micromorphology of the Lower Palaeolithic lakeshore site Marathousa 1, Megalopolis basin, Greece. *Quaternary International* 497, 123–136. DOI: [10.1016/j.quaint.2018.02.037](https://doi.org/10.1016/j.quaint.2018.02.037).
- ☐ Tourloukis V., Thompson N., Panagopoulou E., **Giusti D.**, Konidaris G. E., Karkanas P., Harvati K. 2018. Lithic artifacts and bone tools from the Lower Palaeolithic site Marathousa 1, Megalopolis, Greece: Preliminary results. *Quaternary International* 497, 47–64. DOI: [10.1016/j.quaint.2018.05.043](https://doi.org/10.1016/j.quaint.2018.05.043).
- ☐ Konidaris G. E., Athanassiou A., Tourloukis V., Thompson N., **Giusti D.**, Panagopoulou E., Harvati K. 2018. The skeleton of a straight-tusked elephant (*Palaeoloxodon antiquus*) and other large mammals from the Middle Pleistocene locality Marathousa 1 (Megalopolis Basin, Greece): preliminary results. *Quaternary International* 497, 65–84. DOI: [10.1016/j.quaint.2017.12.001](https://doi.org/10.1016/j.quaint.2017.12.001).
- ☐ Panagopoulou E., Tourloukis V., Thompson N., Konidaris G. E., Athanassiou A., **Giusti D.**, Tsartsidou G., Karkanas P., Harvati K. 2018. The Lower Palaeolithic site of Marathousa 1, Megalopolis, Greece: Overview of the evidence. *Quaternary International* 497, 33–46. DOI: [10.1016/j.quaint.2018.06.031](https://doi.org/10.1016/j.quaint.2018.06.031).
- ☐ Marwik B., d'Alpoim Guedes J., Barton C. M., Bates L. A., Baxter M., Bevan A., Bollwerk E. A., Bocinsky R. K., Brughams T., Carter A. K., Conrad C., Contreras D. A., Costa S., Crema E. R., Daggett A., Davies B., Drake B. L., Dye T. S., France P., Fullager R., **Giusti D.**, Graham S., Harris M. D., Hawks J., Heath S., Huffer D., Kansa E. C., Kansa S. W., Madsen M. E., Melcher J., Negre J., Neiman F. D., Opitz R., Orton D. C., Przystupa P., Raviele M., Riel-Salvatore J., Riris P., Romanowska I., Smith J., Strupler N., Ullah I. I., Vlack H. G. V., vanValkenberg N., Watrall E. C., Webster C., Wells J., Wintersand J., Wren C. D. 2017. Open Science in Archaeology. *SAA Archaeological Record* 17, 8–14. DOI: [10.17605/OSF.IO/3D6XX](https://doi.org/10.17605/OSF.IO/3D6XX).
- ☐ **Giusti D.** and Arzarello M. 2016. The need for a taphonomic perspective in spatial analysis: Formation processes at the Early Pleistocene site of Pirro Nord (P13), Apricena, Italy. *Journal of Archaeological Science: Reports* 8, 235–249. DOI: [10.1016/j.jasrep.2016.06.014](https://doi.org/10.1016/j.jasrep.2016.06.014).
- ☐ Konidaris G., Tourloukis V., Kostopoulos D. S., Thompson N., **Giusti D.**, Michailidis D., Koufos G., Harvati K. 2015. Two new vertebrate localities from the Early Pleistocene of Mygdonia Basin (Macedonia, Greece): Preliminary results. *C.R.Palevol* 14, 353–362. DOI: [10.1016/j.crpv.2015.05.004](https://doi.org/10.1016/j.crpv.2015.05.004).
- ☐ Panagopoulou E., Tourloukis V., Thompson N., Athanassiou A., Tsartsidou G., Konidaris G. E., **Giusti D.**, Karkanas P., Harvati K. 2015. Marathousa 1: a new Middle Pleistocene archaeological site from Greece. *Antiquity* Project Gallery 89 (343). DOI: [10.15496/publikation-5878](https://doi.org/10.15496/publikation-5878).

## CHAPTERS IN EDITED VOLUMES

- 📖 **Giusti D.** 2021. Investigating the spatio-temporal dimension of past human-elephant interactions: A spatial taphonomic approach. In: *Human-Elephant Interactions. From Past to Present*. Ed. by

Harvati K., Barkai R., Konidaris G., Tourloukis V. Tuebingen.

- Menéndez L. P., **Giusti D.** 2018. Global and local trends of craniofacial variation in southern South America. In: *New Perspectives on the Peopling of the Americas*. Ed. by Harvati K., Jaeger G. and Reyes-Centeno H. Tuebingen: Kerns Verlag.

#### PUBLISHED CONFERENCE ABSTRACTS

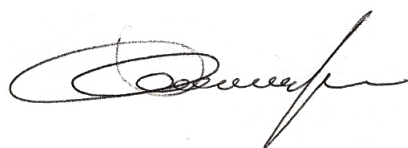
- ☐ **Giusti D.** 2019. Investigating the spatio-temporal dimension of human-elephant interactions: a spatial taphonomic approach. VWS Symposium Human-elephant interactions: from past to present, 16–18 October 2019, Hannover, Germany.
- ☐ Konidaris G. E., Tourloukis V., Athanassiou A., **Giusti D.**, Thompson N., Panagopoulou E., Karkanis P., Harvati K. 2019. Marathousa 2: A new Middle Pleistocene locality in Megalopolis Basin (Greece) with evidence of human modifications on faunal remains. In: *Proceedings of the European Society for the Study of Human Evolution* 9, 82. Liège.
- ☐ Tourloukis V., Konidaris G. E., **Giusti D.**, Karkanis P., Thompson N., Athanassiou A., Tsartsidou G., Panagopoulou E., Harvati K. 2018. Small tools, big bones: first results from the Lower Palaeolithic site of Marathousa 1, Megalopolis, Greece. XVIII world UISPP Congress. Paris
- ☐ **Giusti D.**, Tourloukis V., Konidaris G. E., Thompson N., Karkanis P., Panagopoulou E., Harvati K. 2017. Beyond maps: Patterns of formation processes at the Middle Pleistocene open-air site of Marathousa 1, Megalopolis Basin, Greece. In: *Proceedings of the European Society for the Study of Human Evolution* 6, 74. Leiden.
- ☐ Harvati K., Panagopoulou E., Tourloukis V., Thompson N., Karkanis P., Konidaris G. E., Athanassiou A., Tsartsidou G., **Giusti D.** 2017. Marathousa 1: New Lower Paleolithic elephant butchering site from the Megalopolis basin, Greece. In: *Proceedings of the European Society for the Study of Human Evolution* 6, 84. Leiden.
- ☐ Konidaris G. E., Athanassiou A., Tourloukis V., Thompson N., **Giusti D.**, Panagopoulou E., Harvati K. 2017. The *Elephas (Palaeoloxodon) antiquus* skeleton and other large mammals from the Lower Palaeolithic locality Marathousa 1 (Megalopolis Basin, Greece): preliminary results. In: *Proceedings of the European Society for the Study of Human Evolution* 6, 104. Leiden.
- ☐ Tourloukis V., Thompson N., Panagopoulou E., Konidaris G. E., **Giusti D.**, Athanassiou A., Tsartsidou G., Karkanis P., Harvati K. 2017. The lithic assemblage and bone tools from the Lower Palaeolithic site of Marathousa 1, Megalopolis, Greece: first results. In: *Proceedings of the European Society for the Study of Human Evolution* 6, 202. Leiden.
- ☐ Harvati K., Panagopoulou E., Tourloukis V., Thompson N., Karkanis P., Athanassiou A., Konidaris G. E., Tsartsidou G., **Giusti D.** 2016. New Middle Pleistocene elephant butchering site from Greece. In: *Abstracts of the Paleoanthropology Society 2016 Meeting*. PaleoAnthropology, A14–A15.
- ☐ **Giusti D.** 2016. Applicazioni FLOSS per l'acquisizione, gestione ed analisi dei dati archeologici. Il caso studio del sito paleolitico di Pirro Nord, Apricena (FG), Italia. In: *ArcheoFOSS - Free, Libre and Open Source Software e Open Format nei processi di ricerca archeologica. Atti del VIII Workshop (Catania, 2013)*. Ed. by F. Stanco and G. Gallo G. Archaeopress.
- ☐ **Giusti D.** 2013. A GIS approach to the Paleolithic site of Pirro Nord, Italy: From data management to spatial analysis through a Wiki documentation. In: *Proceedings of the European Society for the Study of Human Evolution* 2, 98. Vienna.

#### ARCHAEOLOGICAL REPORTS (NON-REFEREED)

- ☐ Panagopoulou E., Tourloukis V., Thompson N., Athanassiou A., Konidaris G., Tsartsidou G., **Giusti D.**, Harvati K. [in press] Excavations at the Marathousa 1 site, Megalopolis, Arcadia: research campaign 2017. Archaeologiko Deltio, Chronika 2017 (in Greek).

- ☐ Panagopoulou E., Tourloukis V., Thompson N., Athanassiou A., Konidaris G., Tsartsidou G., **Giusti D.**, Harvati K. [in press] Excavations at the Marathousa 1 site, Megalopolis, Arcadia: research campaign 2016. Archaeologiko Deltio, Chronika 2016 (in Greek).
- ☐ Panagopoulou E., Harvati K., Tourloukis V., Thompson N., Athanassiou A., Karkanas P., Tsartsidou G., Konidaris G., **Giusti D.** 2020. Systematic excavation at Marathousa 1, Megalopolis, Arcadia: 2014 research campaign. Archaeologiko Deltio, Chronika 2014 (in Greek).

Tübingen, November 25, 2021

A handwritten signature in black ink, appearing to read 'Domenico Giusti', with a stylized flourish at the end.