

ALVISE BARBIERI

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Personal Information

First name, Surname Alvise Barbieri
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Nationality Italian
Date of birth 17th November 1987
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Education

September 2017 PhD in Geoscience, magna cum laude
Thesis: "Landscape changes, cave site formation and human occupation during the Late Pleistocene: a geoarchaeological study from the Ach and Lone valleys (Swabian Jura, SW Germany)". University of Tübingen, Germany.

February 2012 Master in Archaeology, summa cum laude.
Thesis: "Sedimentological, petrographical and micromorphological analysis of the Pani Loriga Punic settlement stratification (Sardinia, Italy)". University of Padua, Italy.

September 2009 Bachelor in Archaeology, summa cum laude.
Thesis: "Study of a tile covering fall by fabric analysis: the roman iron craft building of Posmon (Treviso, Italy)". University of Padua, Italy.

July 2006 Classical High School Diploma 100/100.
Liceo-Ginnasio Marco Foscarini, Venice, Italy.

Working experience

October 2017 – December 2018 Employed at the University of Tübingen as Post-doc, after winning an Innovation Grant worth 112.656,79 Euro (Deutsche Forschungsgemeinschaft ZUK 63). I designed an innovative, hands-on museum exhibit to share my PhD research with the general public. The exhibition included interactive installations based on Arduino, Raspberry Pi, and Unity.

February 2013 – September 2017 Employed at the University of Tübingen as PhD student. Competence in: geophysics, micromorphology, FTIR, coring and 3D modelling. Teaching assistant in Bachelor courses.

27th July – 8th August
1st October – 31st December Front desk receptionist at La Biennale Foundation, in Venice.

18th June – 6th July 2012 Latin teacher at the Liceo G. B. Benedetti, Venice, Italy.

March 2007 – December 2012 Private tutor of Latin, ancient Greek, and mathematics for over 15 High school students.

Skills and competences

- Management** I have competence in designing, budgeting, marketing and executing research and museum projects. I have experience in supervising and advising student assistants, and relating with members of companies and museums.
I have experience in writing successful grant proposal.
I have led geological and geophysical surveys.
- Communication** In the course of my PhD I presented talks and posters at numerous international conferences and workshops. At one of these meetings I received an award for best podium presentation.
I have competence in scientific writing.
During my museum project I developed excellent skills in sharing technical information with a non-specialist audience.
- Science** I joined and led geological, geophysical and archaeological surveys and excavations in Italy, Germany, France and South Africa.
I have acquired and interpreted data from various geophysical methods, including ground-penetrating radar, logging of electrical conductivity, and electrical resistivity tomography. I have analyzed sediment and soil samples with micromorphology, FTIR and grain size analysis. Furthermore I have experience in the preparation of samples for 14C Dating.
- Informatics** I designed and realized interactive museum installations based on Arduino Uno and Raspberry Pi 3B+.
I have experience with Adobe Photoshop, Illustrator and Animate.
I have good skills in the creation of 3D models in GoCad.
I have competence in editing images with GIMP and creating vector graphics with Inkscape.
I keep track of my project updates through Trello.
I have experience in statistical treatment of data with R.
I have created databases with PostgreSQL and PostGIS.
I have excellent skills in the analysis and production of cartography with ArcGIS, OpenJump, QGIS, Surfer and SAGA.
I have basic knowledge of photogrammetry.
Programming languages: R and C/C++ (good), Python (beginner).
- Social** I can work independently but I am also a good team player. I am helpful, curious, open minded and flexible. I learn new things quickly and I love to work in a multiethnic environment.
- Other** My father (construction worker, now retired, and carpenter in his free time) transferred to me his passion for handcrafting. In my spare time I like to build pieces of furniture (such as beds, dressers, indoor benches). I like outdoor sports and activities in particular I had experience as player in 7-a-side football teams and (when in Venice) I love playing "voga alla veneta" (a typical Venetian rowing style). I have also been swimming since I was 7. Moreover I have experience as bass player and song writer.

Mother tongue Italian
Other languages English (written and oral): fluent.
 French (written and oral): basic.
 German (written and oral): intermediate.

Academic record

- Peer-reviewed publications** Velliky, E.C., MacDonald, B.L., **Barbieri, A.**, Porr, M., Conard, N.J. in review. A preliminary study on ochre sources in Southwestern Germany and its potential for ochre provenance during the Upper Paleolithic. Journal of Archaeological Science Report.

Barbieri, A., Leven-Pfister, C., Toffolo, M., B., Hodgins, G., W., L., Kind, C.-J., Conard, N., J., Miller, C., E., 2018. Bridging Prehistoric caves with buried landscapes in the Swabian Jura (southwestern Germany). *Quaternary International* 485, pp. 23-43.

Barbieri, A., Botto, M., Leonardi, G., Rioda, V., 2012. Micromorphological study at the Punic settlement of Pani Loriga (Sardinia, Italy). In Poch R.M., Casamitjana M. & Francis M. L. (eds.), *Proceedings of the 14th International Working Meeting on Soil Micromorphology*. Lleyda, 8 – 14 July 2012. [ISBN: 978-84-615-9132-9] pp. 366- 369.

Books **Barbieri A.**, 2019. *Landscape changes, cave site formation and human occupation during the Late Pleistocene: a geoarchaeological study from the Ach and Lone valleys (Swabian Jura, SW Germany)*. University of Tübingen Press.

Chapters in Book **Barbieri, A.** and Miller, E.C., in press. Die Grabungen 2008 bis 2009 auf dem Vorplatz - Mikromorphologie. In: Kind C.J. Ed.: *Löwenmensch und mehr - Die Ausgrabungen 2008–2013 in den altsteinzeitlichen Schichten der Stadel-Höhle im Hohlenstein (Lonetal), Gemeinde Asselfingen, Alb-Donau-Kreis*. Kerns Verlag.

Barbieri, A. and Miller, E.C., in press. Rekonstruktion der Fundplatzgenese der Stadel-Höhle im Hohlenstein In: Kind C.J. Ed.: *Löwenmensch und mehr - Die Ausgrabungen 2008–2013 in den altsteinzeitlichen Schichten der Stadel-Höhle im Hohlenstein (Lonetal), Gemeinde Asselfingen, Alb-Donau-Kreis*. Kerns Verlag.

Talks **Barbieri A.**, Taller A., Bachofer F., Quénéhervé G., Conard N.J., Miller C.E. 2017, "How the Late Pleniglacial landscape changes diversified the Gravettian record of Ach and Lone valleys". *Developing International Geoarchaeology (DIG)*. Newcastle, 4th-7th Sept. 2017.

Barbieri A., Conard N. J., Miller E. C. 2016, "Bridging Prehistoric caves with buried landscapes in the Swabian Jura". Workshop Inside – Outside, Integrating Cave and Open-Air Archives. Cologne 6th – 9th April 2016 (**Invited Speaker**).

Barbieri A., Conard N. J., Miller E. C. 2015, "The impact of landscape changes on the site formation processes of the Hohlenstein Stadel cave". *Developing International Geoarchaeology (DIG)*. Alghero 10th June 2015.

Barbieri A., Conard N. J., Miller E. C. 2015, "The impact of Late Glacial landscape changes on the formation processes of cave sites in Swabian Jura: results from an ongoing project". **Talk awarded at the StEvE meeting**. Tübingen 23rd – 24th October 2014.

Barbieri A., Conard N. J., Miller E. C. 2014, "Combining GPR and coring to study the Late Glacial landscapes of the Ach and Lone valleys (Baden-Württemberg)". *Jahrestagung des AK Geoarchäologie und der AG Paläopedologie*. Aachen 29th – 31th Mai 2014.

Barbieri A., Conard N. J., Miller E. C. 2014. "Reconstructing Late Glacial landscapes: GPR data from the Ach and Lone valleys (Baden-Württemberg, SW Germany)". *Proceedings of the 56th Annual Meeting of the Hugo Obermaier Society*. Braunschweig and Schöningen 22nd-26th April 2014 [ISBN 978-3-933474-91-9] p. 16.

Posters **Barbieri A.**, Conard N. J. & Miller C. E. 2015, "The impact of Late Glacial landscape changes on the formation processes of cave sites in the Swabian Jura: results from an ongoing project". Yearly meeting of the Paleoanthropological Society of America. San Francisco 14th and 15th April 2015.

Barbieri A., Conard N. J. & Miller C. E. 2014, "Reconstructing buried Late Glacial landscapes with GPR: results from the Ach and Lone valleys of the Swabian Jura (SW Germany)". Earth System Dynamics. Frankfurt 21st-24th September 2014.

Barbieri A., Conard N. J. & Miller C. E. 2014, "Late glacial landscapes and cave sites formation processes: an innovative approach from the Ach and Lone valleys of the Swabian Jura (SW Germany)". ESHE Meeting. Florence, 18th – 20th September 2014.

Barbieri A., Miller C. E., Conard N. J. 2013. "Dynamic Late Glacial landscapes and their impact on the archaeological record of the Ach and Lone valleys of southwestern Germany". International Workshop on Archaeological Soil Micromorphology & Developing International Geoarchaeology (DIG). Basel 2nd-6th September 2013.

Barbieri A., Botto M., Leonardi G. & Rioda V. 2012. Micromorphological study at the Punic settlement of Pani Loriga (Sardinia, Italy). 14th International Working Meeting on Soil Micromorphology. Lleyda, 8 – 14 July 2012.

Grants **2017-2018. Innovation Grant of the University of Tübingen Institutional Strategy (Deutsche Forschungsgemeinschaft, ZUK 63).** Amount **112.656,79 Euro.**

References Prof. Christopher E. Miller, Institute for Archaeological Science, Faculty of Mathematics and Natural Sciences, University of Tübingen, Germany. Contact: christopher.miller@uni-tuebingen.de

Prof. Nicholas J. Conard, Institute for Archaeological Science, Pre- and Protohistory and Archaeology of the Middle Ages, University of Tübingen, Germany. Contact: nicholas.conard@uni-tuebingen.de

Dr. Nuno Bicho, Interdisciplinary Center for Archaeology and Evolution of Human Behaviour (ICArEHB), Universidade do Algarve, Campus Gambelas, Faro, Portugal, nbicho@ualg.pt

Dr. Vera Aldeias, Interdisciplinary Center for Archaeology and Evolution of Human Behaviour (ICArEHB), Universidade do Algarve, Campus Gambelas, Faro, Portugal, valdeias@ualg.pt