

## CV of Bente Philippsen

### Education

May 2008 – Aug. 2012	PhD student at the AMS $^{14}\text{C}$ Dating Centre (title awarded: Ph.D.)
April 2007 – April 2008	Diploma (master) thesis at the AMS $^{14}\text{C}$ Dating Centre, Department of Physics and Astronomy, Aarhus University and Institute of Environmental Physics, Heidelberg University
Oct. 2003 – April 2007	Diploma studies in Physics at Heidelberg University, Germany, with minor subjects Archaeology and Astrophysics

### Employment

July 2017 – June 2019	Postdoc at the Aarhus AMS Centre, Department of Physics and Astronomy, Aarhus University, with a project to improve the radiocarbon calibration curve for more precise dating of Jerash/Gerasa (Jordan) and Viking Age Ribe (Denmark)
May – June 2017	Academic assistant at the archaeological team, Museum Lolland-Falster
2016 – present	Teaching in Prehistoric Archaeology (Absolute Dating Methods, Scientific Archaeology, Experimental Archaeology, Pottery Residue Analysis)
Oct. 2014 – April 2017	PostDoc at the Aarhus AMS Centre, project “CONTACT. The Pitted Ware Phenomenon in Djursland and Maritime Relations Across the Kattegat in the Middle Neolithic”, via Museum Østjylland.
Nov. 2015 – Dec. 2016	Research Assistant, AU STAR network (Aarhus University Science and Technology in Archaeological Research)
June 2013 – Oct. 2015	Field archaeologist and scientific consultant for the Femern Bælt project, Museum Lolland-Falster
Sep. 2012,	Scientific assistant, AMS $^{14}\text{C}$ Dating Centre, Department of Physics and
Oct. 2013 – Oct. 2014	Astronomy, Aarhus University
Feb.-March 2013	Internship at Aarhus Univ. Communication Science and Technology

### Scientific focus areas

Radiocarbon dating, calibration, Bayesian analysis	Environmental changes in prehistory
Stable carbon and nitrogen isotope analysis	Stone Age material culture
Prehistoric cultural developments	Archaeological Science

### International relations

Reviewer	The Holocene, Radiocarbon, Water Resources Research, National Science Foundation (USA), Swiss National Science Foundation
ongoing	Cooperation with scientists from Kiel University, Germany, Stockholm University, Sweden, and from the state museum for Schleswig-Holstein at Schloss Gottorf, Schleswig, Germany, on experimental archaeology
6-26 September 2015	Invited participant and lecturer at “Expedition Samara”, research and courses for Ph.D. students about experimental archaeology, Samara, Russia
July 2013	Visiting researcher at the neutron spallation source SINQ, Paul-Scherrer-Institut, Villigen, Switzerland (pottery analysis with neutron and x-ray radiography)
Fall/Winter 2010	Visiting researcher at 14CHRONO, Queen's University Belfast, UK
memberships	Deutsche Physikalische Gesellschaft (since 2003), NatArk – Naturvidenskab i Arkæologien (since 2009)