

PERSONAL INFORMATION

Adrian Serbanescu

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Sex Male | Date of birth 03/09/1982 | Nationality Romanian

WORK EXPERIENCE

October 2018 - Present

Research Assistant/ Archaeo-Geophysicist

Research Institute of the University of Bucharest, University of Bucharest, Romania

<https://icub.unibuc.ro/>

- Responsible for designing geophysical survey strategies in accordance with the requirements and research questions of the project,
- Responsible for preparing and carrying out the field investigations, logistically and technically;
- Processing and interpreting of data and producing visual representations of data sets,
- GIS integration of data,
- Writing required documentation and publications e.g. presentations, reports etc. on current work regarding the Late Neolithic sites the department works on;
- Collaboration with other researchers and departments of the University focused on archaeology on different historical periods, especially early Roman period in Southern and Southeastern Romania;
- Undertaking workshops and training programmes for continuous development and improvement.

Business or sector Research/Education

April 2018 - Present

Geophysicist/Administrator

SC Terra Data Surveys SRL, Bucharest, Romania

- Presenting the company's offer and writing tenders for potential clients,
- Responsible for designing geophysical survey strategies accordingly with the client's requirements and conducting the fieldwork,
- Processing and interpreting of data and producing visual representations of data sets by integrating them into GIS software such as QGIS or AutoCAD,
- Writing required documentation including preliminary and final reports and other dissemination documentation;
- Projects so far included:
 - Gumelnita (Calarasi County, Romania - Eneolithic period) – Surveying parts of the *tel* using ERT and GPR technology to locate burned or unburned buried structures. Campaigns in 2018, 2019 and 2020 for the National Institute for Heritage, Bucharest, Romania;
 - Sultana (Calarasi County, Romania - Eneolithic Period) – Surveying parts of the *tel* to locate and define the delimitation system (Double ditch and bank and palisade) using ERT; magnetometry was used on the terrace adjacent to the *tel* to locate further archaeological buried structures, 2018;
 - Romula (Olt County Romania - Roman Period) – ERT survey in the centre of the archaeological reservation to locate buried structures alongside the E-W road; Romula had *colonia* status and was the capital of the Roman province Dacia Malvensis. 2019 for Olt County Museum, Romania;
 - Noviodunum (Tulcea County - Roman and Early Medieval period) – ERT was conducted to locate areas of archaeological potential with emphasis on the Roman period within the Eastern Extra-Murus area as well as another survey, also using ERT to possibly locate the eastern gate and towers of the fortress. Campaigns in 2019 and 2020 for several institutions;

Business or sector Research/Heritage Consultancy

November 2016 – April 2018

Geophysicist

Wessex Archaeology, Salisbury, Wiltshire, UK <https://www.wessexarch.co.uk/>

- Experience in preparing and organizing projects for fieldwork.
- Data acquisition in the field using Magnetometers, GPR systems, ERT systems, EM instruments, ER instruments.
- Downloading and processing raw data using specialist software: Terrasurveyor, Geoplot 3.0 and 4.0; Surfer, GPR Slice, MagPick and MagMap etc.
- Creating georeferenced images of the processed data.
- Importing and interpreting geophysical data in AutoCAD.
- Have worked on important projects during this period:
 - **High Speed Rail 2 (HS2) Birmingham – Manchester**, largest infrastructure project in EU where hundreds of hectares of magnetometer data was collected;
 - **A303** – national scale project involving a very sensitive area around and within the World Heritage Site **Stonehenge** using multiple surveying techniques - magnetometry, GPR and Earth Resistance;
 - **Paramount** – large project on the banks of River Thames, south of London using ERT and EM techniques to map the Mesolithic landscape and possible habitat areas as main objective.

Business or sector Commercial Archaeology

June 2014 – September 2014

Trainee Field Archaeologist

Border Archaeology, Leominster, Herefordshire, UK <https://www.borderarchaeology.com/>

- Fieldwork - commercial archaeology activity on a multi-period prehistoric site (Early Iron Age to Early Medieval - Saxon period)
- Excavation of archaeological features
- Drawing and recording: permatrace drawing of plan and section of feature, photographing and filling in all the record books, filling in the context sheets and any additional paperwork required.

Business or sector Commercial Archaeology

EDUCATION AND TRAINING

September 2019 – September 2024 (expected)

PhD in History

University of Bucharest, Romania

- PhD research project titled “*Rural habitat in Northern Dobruja. A landscape archaeology study*”
- The research project focuses on the study of the relationship between several large urban centres such as Histria or Noviodunum, and the rural settlements in their *chora* (or *hinterland*). focusing on the connections between these rural sites and the main centres they served. Aspects such as the extent, functions, internal organization of the rural settlements are targeted to establish the rapports between the former and the latter. The methodology consists of non-invasive archaeo-geophysical studies coupled with available aerial imagery and information gathered from studying the bibliography, as well as direct information from archaeologists involved in the study of the sites in question.

September 2015 – December 2016

Msc Archaeological Prospection – Shallow Geophysics

University of Bradford, West Yorkshire, UK

- In depth coverage of geophysics applied in archaeology including theoretical knowledge of the subject and all prospection methods used in this field. Practical work involving all survey methods and strategies and use of georeferencing tools and software. Integrating data and designing survey strategies.

September 2011 – July 2014

BA Hons Degree in Archaeology

University of Bradford, West Yorkshire, UK

- Studies of theoretical and field archaeology focused mainly on Prehistory and Viking periods that included lithics and pottery study, theoretical archaeology, Neolithic, Bronze Age and Iron Age focused modules as well as North Atlantic Norse studies.
- Received JJ Raper Prize for Best Archaeological Sciences Dissertation for the dissertation entitled “Celts in Transylvania and their influence on the culture of local communities” awarded by the University of Bradford, School of Life Sciences

October 2002 – February 2007

Bachelor’s Degree in Geography

Faculty of Geography, University of Bucharest, Romania

- Degree focused on all areas of Geography including geomorphology, biogeography, meteorology, paedology and also covered related subjects such as geology. Specialization in Regional Geography.

PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
Toefl- 95 points, taken in 2011					
French	B1	B2	A1	A1	A1

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
Common European Framework of Reference for Languages

Communication skills

- Good presentation skills acquired through presentation of work undertaken personally or with a group at various conferences,
- Lectures on archaeological prospection given on different occasions (university or other training environments).

Organisational / managerial skills

- Organizational skills acquired at Wessex Archaeology where each project needed a different approach and had specific requirements. Teamwork and adaptability were key aspects of the job,
- Managerial skills acquired as owner of a small geophysical company where every step of the project from presenting the company offer and tendering through to delivering a finite product at the end. This required logistical, administrative and organizational skills of managing a team of up to five people.

Job-related skills

- Designing survey strategies according to the research scope,
- Conducting field work – surveys with all types of geophysical equipment (Earth resistance, Ground Penetrating Radar, Electrical Resistance Tomography, Magnetometry, Low Frequency Electromagnetic Impulse)
- Processing and interpreting data,
- Georeferencing and integrating data into GIS
- Writing required documentation – technical or research focused.

Equipment utilised

- Magnetometer - Bartington Grad601 - 2 (fluxgate gradiometer) both handheld and cart mounted;
 - Geometrics G-858 - total field Caesium Vapour – handheld;
 - Sensys DLM98 – fluxgate gradiometer cart system with three probes and local grid data collection.
- ERT systems - Supersting R8 (8 channel, 64 electrodes); Iris Syscal Pro Switch with 48 and 72 electrodes; ABEM Mala Terrameter LS2 with 64 electrodes.
- GPR systems - Mala X3M and Mala ProEX systems with 250 and 500 MHz antennas, Akula 9000b with 200 and 400 MHz antennas;

Specialist Software	<ul style="list-style-type: none"> ▪ Earth Resistance - Geoscan RM15 and RM85 ▪ Terrasurveyor for magnetometer data, botch cart and handheld data and EM data; ▪ Geoplot 3.0 and 4.0; ▪ EarthImager 2D and 3D for ERT data; ▪ Res2Dinv and Res3Dinv for ERT data; ▪ MagPick and MagMap for magnetometer cart and handheld data; ▪ ReflexW for GPR data; ▪ QGIS and AutoCad for GIS integration, interpretation and visual representation in context of geophysical data.
Driving licence	B

ADDITIONAL INFORMATION

Presentations Conferences	<ul style="list-style-type: none"> ▪ Bottez, V., Șerbanescu, A., Iliescu, I., Dobre, M., Miron, F., Stroe-Vespremeanu, A., 8th ARCH_RNT SYMPOSIUM Archaeological Research & New Technologies, 3 – 5 Octombrie 2024, Kalamata, Grecia, <i>Rural landscapes in the territory of Istros/Histria (Romania). Interdisciplinary research in the Beidaud archaeological microzone.</i> http://archrnt.gr/ ▪ Șerbanescu, A., Roth, C., The 12th annual session of the Centre for the Comparative History of Ancient Societies – Human habitat from Prehistory to Late Antiquity: analyses and interpretations, 19-20 Aprilie 2024, <i>Investigații geofizice în situl roman rural de la Ceamurlia de Sus (Tulcea).</i> ▪ Șerbanescu, A., Bottez, V., Roth, C., 15th International Conference on Archaeological Prospection, Kiel, Germany 28 martie – 01 aprilie 2023, <i>Investigations at an Early Roman vicus in Moesia Inferior - The tale of the Beidaud site (Tulcea County, Romania).</i> https://www.icap2023.uni-kiel.de/en/program ▪ Manuel Zolchow, Natalie Pickartz, Adrian Șerbanescu, Ercan Erkul, Daniel Köhn, Dennis Wilken, Stefan Dreibrodt, Robert Hofmann, Johannes Müller, Catalin Lazar, Wolfgang Rabbel, 15th International Conference on Archaeological Prospection, Kiel, Germany 28 martie – 01 aprilie 2023, <i>First results from stratigraphic investigation of Chiselet tell (Romania) using seismic full waveform Inversion.</i> ▪ Șerbanescu, A., Roth, C., Sesiune de comunicări privind cercetări de teren și activități conexe Campania 2022, Centrul de Cercetări Arheologice Vasile Pârvan, Departamentul de Istorie Antică, Arheologie și Istoria Artei, Facultatea de Istorie, București, 07 aprilie 2023, <i>Investigațiile non-intrusive de la Histria (județul Constanța) și Beidaud (județul Tulcea).</i> ▪ Ioan Carol Opreș, Alexandru Dan Ionescu, Adrian Constantin Surleanu, Andrei Eugen Stănișteanu, Mihai Dragomir, Cătălin George Simion, Alexandru Ioan Cercel, Vicențiu Speriatu, Cătălin Dobrinescu, Adrian Șerbanescu, Vlad Călina. With the paper <i>“O batimetrie și alte prospecțiuni geomagnetice recente. Informații noi și foarte noi pentru podul împăratului Constantin cel Mare de la Oescus-Sucidava”</i>. Presentation at ‘Inovație, abordări, provocări în protejarea patrimoniului cultural’ organised by the National Heritage Institute (12-15 Decemeber 2022). ▪ 25-30 September 2022 – participation at ‘7th International Congress on Black Sea Antiquities’ - The Black Sea: Hub of Peoples and Cultures (8 th century BC–5 th /6 th century AD)’ with the following posters and presentation: <ul style="list-style-type: none"> • Valentin-Victor Bottez, Irina Adriana Achim and Adrian Șerbanescu - <i>New information concerning the Late Roman topography of Istros (Constanța County, Romania)</i> (presentation) • Valentin-Victor Bottez, Sorin Ailincăi, Alexandra Clara Țârlea, Iulia-Alexandra Iliescu, Alfred Vespremeanu-Stroe, Adrian Șerbanescu and Radu Penea - <i>On the frontier between Greeks/Romans and the indigenous population. The Beidaud Project (Tulcea County, Romania), 2021–2030</i> (poster) • Alina Streinu, Adrian Șerbanescu, Marius Streinu, Vasilica Lungu and Alexandre Baralis - <i>Occupying the land: New research into the Roman rural settlement at Panduru</i> (poster) ▪ Șerbanescu, A., Sesiunea Națională Interuniversitară de Comunicări Științifice a Studenților și Doctoranzilor din Domeniul Istorie, Universitatea “Valahia” din Târgoviște, 27-29 iunie 2022, <i>Rezultate preliminare ale investigațiilor arheogeofizice de la Beidaud (jud. Tulcea).</i> https://gafencu.hypotheses.org/sesiunea-nationala-interuniversitara
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Published Papers

- 9-15 May 2022 – participation at the Second Spring School: 'Local archaeologies and their interdisciplinary practices' organised by Getty Foundation in Bucharest and hosted by New Europe College. Presentation title: "*Geophysical Investigations at Panduru and Beidaud. Two Rural Early Roman Sites in Scythia Minor*"
- Adrian Șerbănescu – (Presentation) *Preliminary results of the archaeogeophysical investigations at the Roman rural site Panduru, Tulcea County, Romania* held at the Annual Conference of the Doctoral School of History, University of Bucharest. January 2021
- Oana Borlean, Oliver Livanov, Aurel-Daniel Stănică, Marius Cristian Streinu, Adrian Șerbănescu – (presentation) Metode de analiză și documentare a situațiilor arheologice în situl Noviodunum/ Methods for analysis and documentation of the current archaeological situation at Noviodunum (Tulcea County, Romania) held at Simpozionul „Arhitectură. Restaurare. Arheologie." /"Architecture. Restoration. Archaeology" Symposium organized by Asociația ARA and Pârvan Institute for Archaeology (Bucharest, Romania). April 2021
- Adrian Șerbănescu, Ovidiu Frujină, Cristina Covătaru, Cătălin Lazăr – (Presentation) *Preliminary results of the geophysical study of Sultana-Malu Rosu tell*, held at the Annual Conference on "Method, Theory and Practice in Contemporary Archaeology" organized by Pârvan Institute for Archaeology, Bucharest. March 2019
- Șerbănescu, A., Bottez, V., & Roth, C. (2023). Investigations at an Early Roman vicus in Moesia Inferior - the tale of the Beidaud site (Tulcea County, Romania). In T. Wunderlich, H. Hadler, & R. Blankenfeldt (Eds.), *Advances in On- and Offshore Archaeological Prospection: Proceedings of the 15th International Conference on Archaeological Prospection* (pp. 257–260). Universitätsverlag Kiel | Kiel University Publishing. <https://doi.org/10.38072/978-3-928794-83-1/p51>
- Zolchow, M., Pickartz, N., Serbanescu, A., Erkul, E., Köhn, D., Wilken, D., Dreibrodt, S., Hofmann, R., Müller, J., Lazar, C., & Rabbel, W. (2023). First results from stratigraphic investigation of Chiselet tell (Romania) using seismic full waveform inversion. In T. Wunderlich, H. Hadler, & R. Blankenfeldt (Eds.), *Advances in On- and Offshore Archaeological Prospection: Proceedings of the 15th International Conference on Archaeological Prospection* (pp. 315–318). Universitätsverlag Kiel | Kiel University Publishing. <https://doi.org/10.38072/978-3-928794-83-1/p63>
- Ioan Carol Opreș, Alexandru Dan Ionescu, Adrian Constantin Surleanu, Andrei Eugen Stănișteanu, Mihai Dragomir, Cătălin George Simion, Alexandru Ioan Cerceș, Vicențiu Speriatu, Cătălin Dobrinescu, Adrian Șerbănescu, Vlad Călina, Pons per Danuvium ductus. Date noi despre podul lui Constantin cel Mare dintre Oescus și Sucidava, Cercetări Arheologice, Vol. 29.2, pag. 631-664, 2022, doi: <https://doi.org/10.46535/ca.29.2.11>
- Șerbănescu A, Negru M, Gutica-Florescu L-G, Geophysical survey and research excavation at Romula-Central Fort. Assessing the effectiveness of ERT results based on the 2019 excavation result. In *Arhivele Olteniei* 3, 2020, p. 49-62. https://arhiveleolteniei.ro/ro/wp-content/uploads/sites/2/2020/12/Arhivele-Olteniei_Vol.-34_2020_print_black-1.pdf