

Fatima Sabiu Maikore, Ph.D.

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📍 London, United Kingdom



Employment History

- 2023 – 2024 **Deputy Director Centre for Inclusive Computing.** Department of Computer Science, The University of Sheffield.
- University Teacher.** Department of Computer Science, The University of Sheffield.
- 2021 – 2023 **Research Associate.** Pervasive Computing research group, The University of Sheffield.
- 2013 – 2021 **Lecturer.** Department of Computer Science, Baze University.

Education

- 2014 – 2020 **Ph.D., Computer Science. Goldsmiths, University of London**
Thesis title: *A semantic-driven framework for IT support of clinical laboratory standards.*
- 2009 – 2010 **M.Sc. Information Systems: Business IT. The University of Manchester**
- 2005 – 2009 **B.Sc. Information Systems. American University of Nigeria**

Research Interest

- Semantic technologies & AI **Passionate about semantic technologies and their application in solving practical problems across diverse domains. Experience in developing ontologies for autonomous robotics, healthcare, and psychology. Research interests include knowledge representation, knowledge graph visualization, and the use of artificial intelligence techniques, such as language models, for automation, decision-making, and data-driven insights.**
- Standardisation activities **Contributed to the development of an IEEE Standards Association robot task representation standard, modeling the full specification of robotic tasks. Previously involved in the W3C community group on experimental protocols.**

Selected Research Publications

Journal Articles

- 1 M. Halper, L. N. Soldatova, M. Brochhausen, F. Sabiu Maikore, C. Ochs, and Y. Perl, “Guidelines for the reuse of ontology content,” *Applied Ontology*, vol. 18, no. 1, pp. 5–29, 2023.
- 2 F. S. Maikore, E. Haddi, and L. Soldatova, “A framework for it support of clinical laboratory standards,” *International Journal of Privacy and Health Information Management (IJPHIM)*, vol. 6, no. 2, pp. 13–25, 2018.

Conference Proceedings

- 1 F. Maikore, S. Mazumdar, A. Offiah, A. Hughes¹, S. Roychowdhury¹, and K. Hocking, “Understanding inflicted injuries in young children: Toward an ontology based,” in *Knowledge Engineering and Knowledge Management: 24th International Conference, EKAU 2024, Amsterdam, The Netherlands, November 26–28, 2024, Proceedings*, Springer Nature, p. 260.

- 2 A. Kostovska, I. Tolovski, F. Maikore, A. D. N. Initiative, L. Soldatova, and P. Panov, "Neurodegenerative disease data ontology," in *Discovery Science: 22nd International Conference, DS 2019, Split, Croatia, October 28–30, 2019, Proceedings 22*, Springer, 2019, pp. 235–245.
- 3 F. S. Maikore, G. Selenge, A. Olayinka, P. Abbott, and L. N. Soldatova, "An ontology for clinical laboratory standard operating procedures.," in *JOWO*, 2017.

Skills

Semantic Web	📖	RDF, RDFS, OWL, SPARQL, SHACL, Protégé.
Coding	📖	Java, PHP, Python, SQL, XML, JSON.
Databases	📖	MySQL, PostgreSQL, Microsoft SQL Server, SQLite, MongoDB.
Web Dev	📖	HTML, CSS, JavaScript, Apache Web Server, Node.js.
Misc.	📖	Academic research, teaching, ontology development, grant application.

Miscellaneous Experience

Professional Memberships

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| 2024 | 📖 | Fellow of the Higher Education Academy (FHEA) |
| 2019 | 📖 | Member of the Institute of Electrical and Electronics Engineers (IEEE) |
| | 📖 | Member of the Association for Computing Machinery (ACM) |
| 2017 | 📖 | Google Women Techmakers Ambassador |
| | 📖 | Member of the Organization for Women in Science for the Developing World (OWSD) |

Working Group Memberships

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| | 📖 | Robot Task Representation Working Group , IEEE Standards Association. |
| 2016 | 📖 | Experimental Protocols Community Group , W3C. |

Certifications

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| 2020 | 📖 | Cloud Application Developer , IBM Skills Academy. |
| 2019 | 📖 | Database Programming with PL/SQL , Oracle Academy. |
| | 📖 | Database Design and Programming with SQL , Oracle Academy. |
| | 📖 | Java Programming , Oracle Academy. |
| 2009 | 📖 | ERP Solution Architect , SAP Global Certification. |

Volunteer work

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| 2024 - | 📖 | Development of Electronic Medical Records System , Royal Specialist Hospital. |
| 2017 - 2022 | 📖 | Electronic Medical Records System Management , Nigerian Hajj Medical Team. |

References

Available on Request