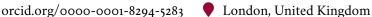
# Fatima Sabiu Maikore, Ph.D.

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Google Scholar





## **Employment History**

**Deputy Director Centre for Inclusive Computing.** Department of Computer Science, 2023 - 2024 The University of Sheffield.

University Teacher. Department of Computer Science, The University of Sheffield.

**Research Associate.** Pervasive Computing research group, The University of Sheffield. 2021 - 2023

**Lecturer.** Department of Computer Science, Baze University. 2013 - 2021

## **Education**

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

## 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 W<sub>3</sub>C community group on experimental protocols.

### **Selected Research Publications**

### **Journal Articles**

- 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.
- 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**

F. Maikore, S. Mazumdar, A. Offiah, A. Hughes<sup>1</sup>, S. Roychowdhury<sup>1</sup>, and K. Hocking, "Understanding inflicted injuries in young children: Toward an ontology based," in Knowledge Engineering and Knowledge Management: 24th International Conference, EKAW 2024, Amsterdam, The Netherlands, November 26-28, 2024, Proceedings, Springer Nature, p. 260.

- 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.
- 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**

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**

**Robot Task Representation Working Group**, IEEE Standards Association.

**Experimental Protocols Community Group**, W<sub>3</sub>C.

#### Certifications

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.

**ERP Solution Architect**, SAP Global Certification.

#### Volunteer work

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