Thar Baker

Short **Curriculum Vitae**

Personal Details

Name: Thar Baker
Nationality: British
Marital Status: Married
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Academic Qualifications

BSc, PgD, MSc, PgC, PhD (Liverpool John Moores University, UK)

Employment History

01/2023-09/2025—Full Professor and Associate Dean, The University of Brighton, UK
07/2023-07/2024—Seasonal Professor, Beijing Institute of Technology, Beijing, China
2020-12/2022—Associate Professor, University of Sharjah, UAE
2013-2020—Reader and Head of School International Mobility, Liverpool John Moores University, UK
2011-2013—Lecturer/Senior Lecturer/Program Leader, Manchester Metropolitan University, UK

Professional Membership & Activities: *sample*

(Senior Member of IEEE, USA/UK/Ireland); (Senior Fellow of HEA, UK); (Professional Member of BCS, UK); (Member, of ACM, USA); (Member of iLM); (Member of Council of Professors and Heads of Computing, UK); and (Member of the Society of Research Software Engineering, EU)

Teaching Experience

Taught many computer science modules/courses at different levels/years in the UK, UAE, and China. Examples are programming in Python, cloud computing, programming languages, concurrency and client-server computing, parallel computing, sustainable/green computing, and advanced web development.

Conferences & Workshops: *sample*

Delivered over 50 presentations and keynotes in different international conferences and workshops, both online and in person. Examples are EAI PFSM, IEEE DeSE, and ICFNDS.

Participated in the organisation of more than 50 international conferences as General Chair, Chair, Co-Chair, Steering Committee, TPC, and so on. Examples of recent ones include Africatek 2026, IEEE WFIoT2025, IEEE FLTA 2025, IEEE PCDS 2024, FMEC 2024, CLOSER 2024.

Research Interests

My current research agenda focuses primarily on advancing industry-relevant systems and technologies and integrating human needs within these developments to enhance quality of life and ensure inclusivity and sustainability. My main expertise revolves around IoT systems, edge intelligence, federated learning, autonomous robots, and cloud/fog computing with a wide range of applications in various domains, including digital health, smart grids, transportation systems, data analysis, smart cities, and education. This integration of cyber and physical fields demonstrates the interdisciplinary nature of my research.

Research Publications

To date, I have published over 260 Scopus-indexed scientific papers and articles.
https://scholar.google.com/citations?user=MY6aS_MAAAAJ&hl=en
https://www.scopus.com/authid/detail.uri?authorId=34267505000

Peer Review and Editorship Activities: *brief*

Editor-in-Chief (EiC), Editor and Associate Editor of many journals in ACM, Springer Nature, Elsevier, IGI, IET, etc. Examples are the International Journal of Cyber Research and Education (IGI), ACM Computing Surveys (ACM), IET Networks (IET), and Discover IoT (Springer Nature).

Research, Teaching Grants: *brief*

Secured more than £5m of research grants from national and international, commercial, and non-commercial competitive sources, including the British Council, Newton Bhabha, Innovate-UK, Google, Skoltech, Dubai Police, KTP-UK, and EPSRC.

Awards and Recognitions: *brief*

Examples include the best paper award, the best teaching award, best PhD thesis supervisor at Liverpool JM University, and a certificate of recognition from HH Sheikh Sultan bin Ahmed Al Qasimi, the President of the University of Sharjah and Deputy Ruler of the Emirate of Sharjah, for winning the Sharjah Islamic Bank (SIB) award for faculty research impact.

External Contributions and Roles: *brief*

I participated in external academic and professional activities, including serving as an external assessor for academic promotions at prestigious international institutions such as the University of Malta, Liverpool John Moores University (**UK**), Manchester Metropolitan University (**UK**), and Wageningen University & Research (**Netherlands**).

Furthermore, I served as an external independent reviewer for key research funding bodies such as Horizon Europe (**EU**) and the Canada First Research Excellence Fund, in addition to serving as an external research examiner for Concordia University (**Canada**).

Additionally, I served as an external examiner for academic programs at several universities in the **UK** and **Hong Kong**. For instance, the University of Greenwich, Kingston University, Sheffield Hallam University, De Montfort University, and Hong Kong University SPACE.

PhD Supervision and Examination: *brief*

I have a track record of successful PhD supervision (over 15 students) across artificial intelligence, cloud computing, autonomic computing, biometric security, and wireless networks. I have also served as an external and international examiner for over 30 doctoral candidates at prestigious institutions in the **UK**, **Canada**, the **EU**, and **Asia**, reflecting a commitment to rigorous academic standards and global best practices. Examples of these universities include Concordia University in **Canada** and Leeds Beckett University and Manchester Metropolitan University in the **UK**.

Accreditation Experience: *brief*

I participated in many academic accreditation committees and taskforce panels of several academic programmes in (1) the UK (in accordance with the standards of the British Computer Society – **BCS**) and (2) the United Arab Emirates (in line with the U.S. Accreditation Board for Engineering and Technology – **ABET**, and the Commission for Academic Accreditation – **CAA**). My name is officially listed as a recognized member of the accreditation bodies in the UK.