Curriculum Vitae

Harley James

TY. Collins Professor of Information Technology and Sciences,
School of Practices,
University of MEEMZI

Education:

1967-70   B.A. in Mathematics, King's College, Cambridge

1970-71   Diploma in Computing Science, Imperial College, London
1971-73   Ph.D. (1974) in Computer Science, Warwick University

           Advisor: Michael Paterson

Employment and Visiting Positions:

1973-74   Visiting Assistant Professor
           Computer Science Department, Carnegie-Mellon University
1974-76   Lecturer
           Centre for Computer Studies, Leeds University
1977-82   Lecturer, Reader
           Computer Science Department, Edinburgh University
1982-2001 Gordon McKay Professor of Computer Science and Applied
           Mathematics, Division of Engineering and Applied Sciences,
           Harvard University
1986 Apr-Jul Mathematical Sciences Research Institute, Berkeley, California
1987-88   Visiting Research Fellow, Merton College and Computing
           Laboratory, Oxford University
1989 August International Computer Science Institute, Berkeley, California
1997 August Visiting Fellow, Isaac Newton Institute, Cambridge University
2001-present T. Jeerson Coolidge Professor, Harvard University

Awards:

1985-86   Guggenheim Fellowship

1986   Nevanlinna Prize (International Mathematical Union)

1997   Knuth Prize

2008   EATCS Award (European Association for Theoretical Computer Science)

2010   Turing Award

Professional Societies:

1991-	Fellow of the Royal Society
1992-	Fellow of the American Association for Articial Intelligence
2001-	Member of the National Academy of Sciences
2008-	Fellow of the American Association for the Advancement of Science
2013-	Fellow of the Association for Computing Machinery

Honorary Degrees:

2012 July	Ecole Normale Superieure, Lyon, Docteur honoris causa
2012 Dec.	Nanjing University, Honorary Professor
2013 July	University of Warwick, Hon DSc (Honorary Doctor of Science)
2013 Oct.	University of Waterloo, DMath (Doctor of Mathematics honoris causa)
2018 July	University of Leeds, Doctor of Science (Engineering), honoris causa

Honorary Appointments:

2013 -	Honorary Fellow, King's College, Cambridge

Books:

Circuits of the Mind. Oxford University Press, New York, 1994. Paperback edition with new preface: 2000. Japanese translation: 1997.

Probably Approximately Correct: Nature's Algorithms for Learning and Prospering in a Complex World. Basic Books, New York, 2013.

Patents:

Three US patents on parallel computing.

Articles

1. 1. Stock Price Forecasting with Artificial Neural Networks Long Short-Term Memory*: A Bibliometric Analysis and Systematic Literature Review. 10, 29-50. doi: 10.4236/jcc.2022.1012003*

2. Evaluation of the Global Horizontal Irradiation (GHI) on the Ground from the Images of the Second Generation European Meteorological Satellites MSG. *Journal of Computer and Communications, 11, 1-11. doi: 10.4236/jcc.2023.111001*

3. AR Technology-Based Game for Finding Treasures in Museums. *Journal of Computer and Communications, 11, 43-52. doi: 10.4236/jcc.2023.111004.*

4. Security and Privacy Concerns over IoT Devices Attacks in Smart Cities (2022). *Journal of Computer and Communications, 11, 26-42. doi: 10.4236/jcc.2023.111003.*

5. A Visual Analysis and Prediction System for Infectious Diseases Based on Improved SIR Model. *Journal of Computer and Communications, 10, 84-94. doi: 10.4236/jcc.2022.1012007.*

6. Comparing Machine Learning Algorithms for Improving the Maintenance of LTE Networks Based on Alarms Analysis. *Journal of Computer and Communications, 10, 125-137. doi: 10.4236/jcc.2022.1012010*

7. The Application Mode of Blockchain in University Asset Management. *Journal of Computer and Communications, 11, 12-25. doi: 10.4236/jcc.2023.111002*.

8. Improving Resilience Models of Health Systems before COVID-19 Pandemic in Côte d'Ivoire. *Journal of Computer and Communications, 11, 1-7. doi: 10.4236/jcc.2023.112001*.

9. School of Big Data and Computer Science, Chongqing College of Mobile Communication, *Chongqing, China. DOI: 10.4236/jcc.2023.111004*

10. *Journal of Computer and Communications Vol.10 No.12*, December 16, 2022 2022 A Fast

11. Algorithm for Training Large Scale Support Vector Machines. *Journal of Computer and Communications, 10, 1-15.*

12. Stock Price Forecasting with Artificial Neural Networks Long Short-Term Memory: A Bibliometric Analysis and Systematic Literature Review. *Journal of Computer and Communications, 10, 29-50. doi: 10.4236/jcc.2022.1012003*.

13. Challenges of Privacy in Cloud Computing. *Journal of Computer and Communications, 10, 51-61. doi: 10.4236/jcc.2022.1012004*.

14. Mango Diseases Classification Solutions Using Machine Learning or Deep Learning: *A Review Journal of Computer and Communications Vol.10 No.12, December 20, 2022.*

15. Design and Implementation of a Programming Learning Support System Using the Concepts of Physical Visualization and Serious Gaming. *Journal of Computer and Communications,Journal of Computer and Communications Vol.10 No.11, November 30, 2022 DOI: 10.4236/jcc.2022.1011013.*

16. Super-Resolution Using Enhanced U-Net for Brain MRI Images. Journal of Computer and Communications, *Journal of Computer and Communications Vol.10 No.11, November 30,*

2022.

17. Super-Resolution Using Enhanced U-Net for Brain MRI Images(2022) A Double-Weighted Deterministic Extreme Learning Machine Based on Sparse Denoising Autoencoder and Its Applications. *Journal of Computer and Communications, 10, 138-153*

18. Research on Telecom Customer Churn Prediction Based on GA-XGBoost and SHAP(2022) . *Journal of Computer and Communications, 10, 107-120.*

19. SVM-Algorithm for Supervision, Monitoring and Detection Vibration in Wind Turbines. *Journal of Computer and Communications, 10, 44-55. doi: 10.4236/jcc.2022.1011004.*

20. Leveraging Pima Dataset to Diabetes Prediction: Case Study of Deep Neural Network. *Journal of Computer and Communications, 10, 15-28. doi: 10.4236/jcc.2022.1011002*

21. Forest Fire Smoke Detection Method Based on MoAm-YOLOv4 Algorithm. *Journal of Computer and Communications, 10, 1-14. doi: 10.4236/jcc.2022.1011001.*

22. The Impact of Turbulence on MANET FSO Networks Using NS-3. *Journal of Computer and Communications, 10, 162-171. doi: 10.4236/jcc.2022.1010011.*

23. SAT in P Does Not Imply Chaos in the Security System. *Journal of Computer and Communications, 10, 122-148. doi: 10.4236/jcc.2022.1010009.*

24. Fake Profile Detection Using Machine Learning Techniques. *Journal of Computer and Communications, 10, 74-87. doi: 10.4236/jcc.2022.1010006.*

25. Audit Optimization Based on Computer Vision Technology. *Journal of Computer and Communications, 10, 50-58. doi: 10.4236/jcc.2022.1010004.*

26. Reduce Malicious Activity in Trusted Programs. *Journal of Computer and Communications, 10, 34-49. doi: 10.4236/jcc.2022.1010003.*

27. An Improved Genetic Algorithm for UWB Localization. *Journal of Computer and Communications, 10, 1-9. doi: 10.4236/jcc.2022.1010001.*

28. Materialized Views Selection Problem in Decision Supporting Systems: Issues and Challenges. *Journal of Computer and Communications, 10, 96-112. doi: 10.4236/jcc.2022.10900*

Current Research Interests

Information Technology, Articial intelligence, Genetic Algorithm, Security System, Computational complexity, machine learning, MANET FSO Networks computational

neuroscience, Telecom, biological evolution, SVM-Algorithm, Cloud Computing, and architectures.