
VINCENT, Olufunke Rebecca

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Department: Computer Science
Academic Rank:
Current position: Lecturer II
Research Interest:



DETAILED RESUME

ACADEMIC DEGREES WITH DATE

- Master of Science in Computer Science (Distinction) 2005
 - Bachelor of Science in Mathematical Sciences 2000
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INSTITUTIONS ATTENDED WITH DATE

- University of Agriculture, Abeokuta, Ogun State 2005
 - University of Agriculture, Abeokuta, Ogun State 2000
 - Federal College of Education, Osiele, Abeokuta, Ogun State. 1996.
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MEMBERSHIP OF PROFESSIONAL BODIES

- Member, Nigeria Computer Society , (NCS)
 - Computational Intelligence Group, Institute of Informatics, Technical University of Clausthal, Clausthal-Zellerfeld, Germany.
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PRIZES, HONOURS, NATIONAL AND INTERNATIONAL RECOGNITIONS.

- Federal Government Scholarship Award 2002/2003 Session
 - Visiting Research Studentship, Institute of Informatics, Clausthal University of Technology, Germany, 2008 to 2009.
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COURSES TAUGHT

Courses Taught:

I have taught the following courses in the Department:

1. CSC 202 Algorithms and Programming
2. CSC 328 Computer Applications
3. CSC 201 Computer Programming
4. CSC 317 Computer Center Management
5. CSC 315 File Organization and Data Processing
6. CSC 251 Numerical Analysis I.

STUDENT SUPERVISION: Undergraduate:

6 Students in 2005/2006 Session

11 Students in 2006/2007 Session

12 Students in 2007/2008 Session

RESEARCH CONDUCTED

- Mobile Agents and Electronic Commerce: Study of Mobile Agents Technology for E-Commerce. A case study of Card Payment System.

PUBLICATIONS

1. *Project & Dissertation*

1. **Vincent, O. R. (2000)**, "Numerical Solutions to Initial Value Problem of First Order Differential Equations using Runge-Kutta-Felberge", Undergraduate Project, University of Agriculture, Abeokuta, Ogun State, Nigeria.
2. **Vincent, O. R. (2005)**, "An Improved Algorithm for Transform-Based Image Compression", M. Sc. Dissertation, University of Agriculture, Abeokuta, Ogun State, Nigeria.

2. *Published Journals Articles*

1. Folorunso, O. and **Vincent, O. R.** (2007). Edge Detection: A Knowledge Management Technique for Visual Scene Analysis, Journal of Information Management and Computer Security, UK, Vol. 15 No 1, 23-32.
<http://www.emeraldinsight.com/Insight/viewContentItem.do?contentType=Article&contentId=1596328>
2. Folorunso, O., Ogunde, A and **Vincent, O. R.** (2006). Knowledge Management in Business Process Redesign: An Information Visualization Approach, Journal of Applied Computer Science, Poland, Vol. 13, No. 2, 39-52.
<http://edu.ics.p.lodz.pl/mod/resource/view.php?id=1927>.

3. **Vincent, O. R.**, Folorunso, O. and Agboola, A. A. A. (2006). A Modified Algorithm for Transform-Based Image Compression, Journal of Computer Science and its Applications, Vol. 13 No. 1, 41-48.
4. **Vincent, O. R.** and Folorunso, O. (2008). On the Concept of using Thresholding for Experimental Properties of Discrete Wavelets Transform and Noise Reduction, Journal of Computer Science and its Applications, Vol. 15. No. 2, 121-130.
5. **Vincent, O. R.**, Folorunso, O. and Akinde A. D. (2009). On Consolidation Model in E- Bill Presentment and Payment, Information Management and Computer Security, Vol. 17 No. 3, 234-247.
<http://www.emeraldinsight.com/Insight/viewContentItem.do;jsessionid=C28C60EB2623F30747A7CCC8624FD82E?contentType=Article&hdAction=Inkpdf&contentId=1800691>
6. **Vincent, O. R.**, Folorunso, O. and Akinde A. D. (2009). An Agent-Based Advert Placement System for Braodcasting Stations, Issues in Informing Science and Information Technology, Vol. 6, 395-404. <http://iisit.org/Vol6/index.htm>
7. Sam-Wobo, s. O., Mafiana, C. F., Onashoga, s. A., and Vincent, O. R. (2007). MONRATE: A descriptive tool for calculation and prediction of re-infection of *Ascaris lumbricoides*. *International Journal of Tropical Biology*, Vol. 55, No. 3 – 4, pp. 755 – 760. <http://www.ots.ac.cr/tropiweb/intpages/vols/vol55-3-4.html>.
8. **Vincent, O. R.**, Folorunso, O. and Akinde A. D. (2010). Improving E-Payment Security Using Elliptic Curve Cryptosystem”, Journal of Electronic Commerce Research, vol. 10, Issue 1,27-41.DOI: <http://www.springerlink.com/openurl.asp?genre=article&id=doi:10.1007/s10660-010-9047-z> or <http://www.springerlink.com/content/c1h70450660l203g/>
9. **Vincent, O. R.**, Folorunso, O., Akinwale, A. T. and Akinde, A. D. (2010), “Transaction Flow in Card Payment Systems Using Mobile Agents”, Interdisciplinary Journal of

Information, Knowledge, and Management, vol. 5, 153-156.
<http://www.ijikm.org/Volume5/IJIKMv5p153-166Vincent458.pdf>

c. Accepted Papers

- 1) **Vincent, O. R.**, Orunsolu A. A., Bamgboye O.O. and Adeleke A.A(2010), “Economic Meltdown and Challenges in Information Technology: A KMs Approach”, *Proceeding of the Information Science and Information technology Education Joint Conference, Italy*. <http://Insitet.org/conference/index.htm>
- 2) Orunsolu A. A., **Vincent, O. R.**, Bamgboye O.O. and Adeleke A.A (2010), “Collaborative Research: A Synergistic Approach to Socio-Economic Development”, *Proceeding of the Information Science and Information technology Education Joint Conferenc, Italy*. <http://Insitet.org/conference/index.htm>

d. Referred Conference Proceedings

1. **Vincent, O. R.** (2007). Optimization of Network Bandwidth Using Image Compression, *Proceedings of the National Conference on Advanced Data Computing Communications and Security (2007)*, 163-167, Kadi, India.
2. **Vincent, O. R.** and Akinde, A. D. (2007). Building Mechanisms of Trust in Securing Electronic Payment System. *Proceedings of the National Conference on Advanced Data Computing Communications and Security (2007)*, 233-237, Kadi, India.
3. **Vincent, O. R.** Dansu, B. M. and Folorunso, O. (2006). Adoption and Infusion of Technology Innovation in the Judiciary Process. *Proceedings of the Second International Conference on Science and National Development (2006)*, University of Agriculture, Abeokuta, Nigeria 10-13 Oct 2006. 62-70.
4. **Vincent, O. R.** and Folorunso O. (2009). A Descriptive Algorithm for Sobel Image Edge Detection. *Proceeding of the Information Science and Information technology Education Joint Conference, Macon, Georgia USA*, 97-107. <http://Insitet.org/conference/index.htm>

RESEARCH:

(a) Research in Progress:

1. Ph. D (In Progress) - Department of Computer Science, University of Agriculture, 2005- Till Date.
2. Mobile Agents and Electronic Commerce: Study of Mobile Agents Technology for E-Commerce. A case study of Card Payment System.

(b) **Research not yet Published:**

1. **Vincent, O. R.**, Folorunso O., Akinwale A. T. and Akinde A. D. An Agent-Based Decision Model for Electronic Payment System, Journal of Electronic Commerce Research.
2. **Vincent, O. R.**, Folorunso O., Akinwale A. T. and Akinde A. D. A Mobile Agent Based Model for Transactions Cases in Electronic Payment System, Journal of Telecommunication Networks.

CONFERENCES ATTENDED:

1. **1st INTERNATIONAL CONFERENCE ON SCIENCE AND NATIONAL DEVELOPMENT** (2004), University of Agriculture, Abeokuta, Nigeria.
 2. **4th AMU-PAMO Symposium on Training and Research** held at University of Agriculture, Abeokuta between 5th and 10th April, 2005.
 3. **ICT CAPACITY BUILDING PROGRAMME IV**. A 3-week workshop sponsored by the Education Trust Fund between July 11th and July 29th, 2005 at University of Agriculture, Abeokuta.
 4. **2nd INTERNATIONAL CONFERENCE ON SCIENCE AND NATIONAL DEVELOPMENT** (2006), University of Agriculture, Abeokuta, Nigeria.
 5. **A RESEARCH-ORIENTED COURSE IN CRYPTOGRAPHY AND ENCRYPTION ALGORITHMS** held at National Mathematical Centre, Abuja, May 2007.
- d. NATIONAL CONFERENCE ON ADVANCED DATA COMPUTING COMMUNICATIONS AND SECURITY** (2007) held at S. V. Institute of Computer Studies, Sarva Vidhyalay Campus, Kadi, India between 3rd and 5th July, 2007