



Dr. Ajaya Kumar Tripathy, Ph.D.

Name : Ajaya Kumar Tripathy
Designation : Sr. Asst. Professor
Department : Department of Computer Science and Engineering
(JOINED THE INSTITUTE IN 2010)
Contact : +918260333609-275 (O)
Email : ajayatripathy1@silicon.ac.in

RESEARCH INTERESTS

- ✓ Applied Machine Learning, Pattern Recognition,
- ✓ Soft Computing, Deep Learning
- ✓ Service Oriented Architecture and IoT
- ✓ Formal Language and Compiler Design

Academic Qualifications

- ✓ Ph. D. (Computer Science), Utkal University, India
- ✓ M. Tech. (CS-EGOV), Trento University, Italy
- ✓ M. Tech. (Computer Science), Utkal University, India
- ✓ M. Sc. (Physics) Berhampur University, India

Teaching Experience/Industrial Experience/Research Experience

- ✓ Silicon Institute of Technology, Bhubaneswar, India
- ✓ SOA Research Centre, FBK, Trento, Italy
- ✓ CreateNet, Research Centre, Trento, Italy
- ✓ Machine Intelligence Unit, ISI, Kolkata

PUBLICATIONS

JOURNAL & CONFERENCES

- [1]. A. K. Tripathy and M. R. Patra. Service Based System Monitoring Framework. In *International Journal of Computer Information Systems and Industrial Management Applications: IJCISIM*, Volume 3, Page 924-931, 2011, Dynamic Publisher USA. ISSN 2150-7988. (SCOPUS INDEXED)
- [2]. A. K. Tripathy and M. R. Patra. Cost Effective, Requirement Oriented Web Service Composition and Adaptation. In *the International Journal on Recent Trends in Engineering & Technology: IJRTET*, Volume 05, No. 01, Page 95-98 Mar 2011. ACEEE USA. ISSN 2158-5563.
- [3]. A. K. Tripathy and M. R. Patra. Automating WS-Agreement Monitoring. In *International Journal of ACM Jordan*, Volume II (I), Page 99-113 Jordan 2011. ISSN 2078-7960.
- [4]. A. K. Tripathy, M. R. Patra. MSL Based Service Based e-Governance Systems Monitoring. In *International Journal of ACM Jordan*, Volume II (II), Page 90-101 Jordan 2012. ISSN 2078-7960.

- [5]. A. K. Tripathy, M. R. Patra, S. K. Pradhan, R. Rafique, P. Mohanty and S. R. Dash. Graph Based Service Selection for Composition and Adaptation. In ***International Journal of ACM Jordan: The research Bulletin of Jordan ACM*** Volume II (II), Page 83-89 *Jordan 2012*. **2078-7960**.
- [6]. A. K. Tripathy, P. K. Tripathy, Fuzzy QoS requirement-aware dynamic service discovery and adaptation. In *Applied Soft Computing Elsevier*, Volume 68, July 2018, Pages 136-146. **(SCI Indexed, Impact factor: 3.6)**
- [7]. A. K. Tripathy, P. K. tripathy, N. K. Ray, S. P. Mohanty, iTour: The Future of Smart Tourism: An IoT Framework for the Independent Mobility of Tourists in Smart Cities, In **IEEE CEM**, Volume 7, Issue 3, May 2018, Pages 32-37. **(SCI Indexed, Impact factor: 1.15)**
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- [9]. A. K. Tripathy and M. R. Patra. Modeling and Monitoring SLA for Service Based Systems. In ***Proceedings of the International conference on Intelligent Semantic Web - Services and Applications – ISWSA 11***, *Jordan*, pages 60-65. **ACM 2011. (Amman, Jordan, April 18-20, 2011, ISBN 978-1-4503-0474-0)**
- [10]. M R Patra, A. K. Tripathy and R. K. Das. Monitoring of Service Based e-Government Systems. In ***the 5th International Conference on Theory and Practice of Electronic Governance: ICEGOV 2011*** *Estonia*, Pages 353-354 **ACM 2011. Estonia, September 26-28, 2011, ISBN 978-1-4503-0746-8)**
- [11]. A. K. Tripathy, M. R. Patra, M. A. Khan H. Fatima and P. Swain. Dynamic Web Service Composition with QoS Clustering. In ***21st IEEE International Conference on Web Services: ICWS 2014 Alaska, USA***, Pages 678 – 679, **IEEE**. (June 27 2014-July 2 2014, Anchorage Alaska, USA, ISBN 978-1-4799-5053-9)
- [12]. A. K. Tripathy, M. R. Patra and S. K. Pradhan. Dynamic QoS Requirement Aware Service Composition and Adaptation. In ***International Conference on Service Oriented Computing: ICSOC 2014***, Paris, France, Pages 378-385, **Springer 2015. (Nov 3-6 2014, Paris France, ISBN 978-3-319-22885-3).**
- [13]. S. Pradhan, S. Satpathy, A. K. Tripathy, and J. K. Mantri. Research Issues on WSBS Performance Evaluation. In ***2nd International Conference on Computational Intelligence & Network: CINE 2016***, *India*, **IEEE**, 2016.
- [14]. A. Shrivastava, A. K. Tripathy and P.K. Dalal, ***A SVM-Based Classification Approach for OCD Classification***, *Journal of Computational Science*, Elsevier (Communicated)
- [15]. A. Shrivastava, A. K. Tripathy and P.K. Dalal , ***A SVM-Based Classification Approach for Obsessive Compulsive Disorder by Oxidative Stress Biomarkers***, *Journal of Computational Science*, Elsevier (Communicated)