DC Member 1 - 5-year Publication details

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List of Publications: -

Editorial/ Preface Publications

1. H. Anandakumar, R. Arulmurugan, and C. C. Onn, "Big Data Analytics for Sustainable Computing," Mobile Networks and Applications, vol. 24, no. 6, pp. 1751–1754, Oct. 2019.

2. A. Haldorai, A. Ramu, and C.-O. Chow, " Big Data Innovation for Sustainable Cognitive Computing," Mobile Networks and Applications, vol. 24, no. 1, pp. 221–223, Jan. 2019. (SCI/Scopus)

3. Anandakumar Haldorai, Chow Chee Onn and Arulmurugan Ramu "Preface: Proceedings of the 2019 1st International Conference on Sustainable Manufacturing, Materials and Technologies," AIP Conference Proceedings 2207, 010001 (2020); Doi: 10.1063/12.0000212 (Scopus)

4. H. Anandakumar, R. Arulmurugan, and C. C. Onn, Eds., "Computational Intelligence and Sustainable Systems," EAI/Springer Innovations in Communication and Computing, 2019.(WoS)

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6. A. Haldorai and U. Kandaswamy, "Intelligent Spectrum Handovers in Cognitive Radio

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7. A. Haldorai and A. Ramu, Eds., "Big Data Analytics for Sustainable Computing," Advances in Data Mining and Database Management, 2020.

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5. A. Haldorai, S. Murugan, and A. Ramu, "Evolution, challenges, and application of intelligent ICT education: An overview," Computer Applications in Engineering Education, Feb. 2020. doi:10.1002/cae.22217 (SCI/Scopus)

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17. A. Haldorai, U. Kandaswamy, and A. Ramu, "Survey on Big Data Analytic and Challenges to Cyber Security," Information Technology Journal, vol. 18, no. 1, pp. 8–16, Jan. 2019. doi:10.3923/itj.2019.8.16 (Scopus)

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Issue, Volume 10, No.20(2015), pp. pp.17985-17888, ISSN 0973-4562. Scopus Indexed

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1. Anandakumar.H, "Spatiotemporal Traffic Analysis Using BIG Data", 4th International Conference on Trends in Technology and Engineering, Arjun College of Technology, Coimbatore, during 06 – 07 April 2017.

2. Anandakumar.H, "A Study on Mobile IPV6 Handover in cognitive Radio Networks", IEEE Sponsored 4rd International Conference on Innovations in Information, Embedded and Communication Systems (ICIIECS'17), Karpagam College of Engineering, Coimbatore, during 17 – 18 March 2017.

3. Anandakumar.H, "802.21 Protocol Based Mobility Spectrum in cognitive Radio Networks", IEEE Sponsored 4rd International Conference on Innovations in Information, Embedded and Communication Systems (ICIIECS'17), Karpagam College of Engineering, Coimbatore, during 17 – 18 March 2017.

4. Anandakumar.H, " A Study on Cognitive Social Data Fusion", IEEE International Conference on Innovations in Green Energy and Healthcare Technologies(IGEHT 2017), Dr. N.G.P. Institute of Technology, Coimbatore, During 16-18 March 2017.

5. Anandakumar.H, "Energy Efficient Analysis and Optimal Relay Selection in Cooperative

Networks", IEEE International Conference on Electrical Sciences, SNS College of Technology, Coimbatore, during 09 – 10 March 2017.

6. Anandakumar.H, "Cooperative Spectrum Sensing and Energy detection in Cognitive Radio for 5G Networks ", IEEE Sponsored 3rd International Conference on Innovations in Information, Embedded and Communication Systems (ICIIECS'16), Karpagam College of Engineering, Coimbatore, during 17 – 18 March 2016.

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8. Anandakumar.H, " A Survey on Load Balancing During Handover in Cognitive Radio Using Data Mining ", International conference on Explorations and Innovations in Engineering and Technology (ICEJEJ-2016), Hindustan Institute of Technology, Coimbatore, during 18 – 19 March 2016.

9. Anandakumar.H, "Hirearchical cost Effective Leach for Heterogeneous Wireless Sensor Networks ", IEEE Sponsored International Conference on Advanced Computing & Communication Systems, Sri Eshwar College of Engineering, Coimbatore, during 05 – 07 January 2015.

10. Anandakumar.H, "Spectrum Allocation of Decision Tree using data storage transfer in Cognitive Radio ", IEEE Sponsored International Conference on Intelligent Systems and Control, Karpagam College of Engineering, Coimbatore, during 09 – 10 January 2015.

11. Anandakumar.H, "An Improved Spectral Efficiency of WIMAX Using 802.16g Based Technology", IEEE Sponsored International Conference on Advanced Computing & Communication Systems, Sri Eshwar College of Engineering, Coimbatore, during 05 – 07 January 2015.

12. Anandakumar.H, "A Survey on: Energy Aware CSI for Distributed Randomized k – Covered WSN ", IEEE Sponsored International Conference on Advanced Computing & Communication Systems, Sri Eshwar College of Engineering, Coimbatore, during 05 – 07 January 2015.

National Conferences

1. Anandakumar.H "Effective Mobile IPV6 Handover in Cognitive Radio Networks" in 6th National Conference on Recent Trends in Information Technology (NCRTIT'17) During 03-04 February 2017 at PSG College of Technology Coimbatore, organized by the Dept of

Information Technology.

2. Anandakumar .H, "Anonymization of Shared Data in the Cloud" in National Conference on Intelligent Information and Computing Technologies on 18 March 2015 at RVS College of Engineering and Technology Coimbatore.

Books and Chapter Publications

Books:

1. Anandakumar Haldorai, Arulmurugan Ramu, Syed Abdul Rehman Khan "Business Intelligence for Enterprise Internet of Things", Springer Innovations in Communication and Computing, ISBN 978-3-030-44406-8, DOI 10.1007/978-3-030-44407-5. (2020).

2. Anandakumar Haldorai, Arulmurugan Ramu, Sudha Mohanram, Mu-Yen Chen " 2nd International Conference on Big Data Innovation for Sustainable Cognitive Computing (BDCC 2019)", Springer Innovations in Communication and Computing, ISBN 978-3-030- 47559-8, DOI 10.1007/978-3-030-47560-4. (2020)

3. Anandakumar Haldorai, Chow Chee Onn and Arulmurugan Ramu "Proceedings of the 2019 1st International Conference on Sustainable Manufacturing, Materials and Technologies," AIP Conference Proceedings 2207, 010001 (2020); Doi: 10.1063/12.0000212 (Scopus)

4. Anandakumar H, Arulmurugan R "Big Data and Sustainable Computing" IGI Global Publications,.(2020) ISBN: 9781522597506, |DOI: 10.4018/978-1-5225-9750-6.

5. Anandakumar H, Arulmurugan R, Suriya M " Computing and Communication Systems in Urban Development", Springer Urban Computing Series,.(2020) Hardcover ISBN 978-3-030-26012-5; DOI : 10.1007/978-3-030-26013-2.

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7. Anandakumar H, Umamaheswari K, "Intelligent Spectrum Handovers in Cognitive Radio Networks", Springer Innovations in Communication and Computing, ISBN 978-3-030-15415-8, DOI 10.1007/978-3-030-15416-5.(2019)

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1. A. Haldorai and U. Kandaswamy, "Cooperative Spectrum Handovers in Cognitive Radio Networks," EAI/Springer Innovations in Communication and Computing, pp. 1–18, 2019. doi:10.1007/978-3-030-15416-5_1(Scopus/ESCI)

2. A. Haldorai and U. Kandaswamy, "Intelligent Cognitive Radio Communications: A Detailed Approach," EAI/Springer Innovations in Communication and Computing, pp. 19–40, 2019. doi:10.1007/978-3-030-15416-5_2(Scopus/ESCI)

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5. A. Haldorai and U. Kandaswamy, "Distributed Algorithms for Learning and Cognitive Medium," EAI/Springer Innovations in Communication and Computing, pp. 87–109, 2019. doi:10.1007/978-3-030-15416-5_5(Scopus/ESCI)

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7. A. Haldorai and U. Kandaswamy, "Supervised Machine Learning Techniques in Intelligent Network Handovers," EAI/Springer Innovations in Communication and Computing, pp. 135–154, 2019. doi:10.1007/978-3-030-15416-5_7(Scopus/ESCI)

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16. H. Anandakumar, R. Arulmurugan , "Early Detection of Lung Cancer using Wavelet using Neural Networks Classifier", Book Title " Computational Vision and Bio Inspired Computing" Lecture Notes in Computational Vision and Biomechanics, Springer Book Series, Volume No – 28, Chapter No – 09, ISBN : 978-3-319-71766-1. (Scopus)

17. H. Anandakumar, R. Arulmurugan "The Impact of Big Data Analytics and Challenges to Cyber Security", Handbook of Research on Network Forensics and Analysis Techniques, IGI Global, Publications. Chapter No -16, ISBN13: 9781522541004, ISBN10: 1522541004, EISBN13: 9781522541011. (Scopus/ESCI)

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Patents

1. Application No. 201741015394 A; Title of the invention: "Method of Exploration and Discrimination of Mineral Abundance in Beach Sand". Publication Date: 12/05/2017; **Ref: Patent Official Journal No. 12 May 2017, DOP: 12/05/2017, part 1, pp.14845**

2. Application No. 201741017851 A; Title of the invention: "Spectrum Detection Methodology for Cognitive Radio System through Machine Learning".; Publication Date: 02/06/2017; **Ref: Patent Official Journal No. 2 June 2017, DOP: 02/06/2017, part 1, pp.18106**

Signature of Supervisor
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Signature of HOD/Director of the Centre of the Supervisor
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