Prof. Dr. Vijayakumar Varadarajan, EAI Fellow,
Adjunct Professor,
School of Computer Science and Engineering,
The University of New South Wales, Sydney, Australia,
(UNSW Ranks 43rd in the 2022 QS World University Rankings, 1st in Australia for Research Excellence and Impact),
v.varadarajan@unsw.edu.au
vijayakumar.varadarajan@gmail.com

(Activities from January 2020 â€" Till Date)

Associated Workshops

General Chair, 3rd IEEE International Workshop on Wearable Sensors and Devices, Artificial Intelligence and Wearables Markets, 2023, Australia (CHAIRS) UCBM- ITALY, UNSW- AUS, SAP-AUS (Under Progress)

General Chair, 2nd IEEE International Workshop on Wearable Sensors and Devices, Artificial Intelligence and Wearables Markets, Sponsored by IEEE Sensors Council, IEEE Rome Students Branch, IEEE Young Professionals Italy, 2021. https://www.ieeewsaim.com (CHAIRS) UCBM- ITALY, UNSW- AUS, HARVARD UNIVERSITY- USA

General Chair, 1st International Workshop on Wearable Sensors and Devices, Artificial Intelligence and Wearables Market, Sponsored by IEEE Sensors Council, IEEE Sensors Council, IEEE Young Professionals Italy, 2020. https://workshopsensors.weebly.com/ (CHAIRS) UCBM- ITALY, UNSW- AUS, MIT- USA

Workshop Chair, International Workshop on Artificial Intelligence for Mobile and Ubiquitous Communication System, EAI MobiQuitous 2020, Germany
http://mobiquitous.org/call-workshop1/

Associated Special Issue Journals

Open,

Lead Guest Editor, Special Issue "Latest Trend in Microwave Filters and Antennas for B5G Wireless Networks", MDPI,
Sensors, https://www.mdpi.com/journal/sensors/special_issues/HWM1091Z38

Lead Guest Editor, Special Issue "Context-Aware Computing, Learning, and Big Data in Internet of Things", MDPI, Future
Internet https://www.mdpi.com/journal/futureinternet/special_issues/1581ZQ8NV3

Topic Editor, Special Issue on Role of Machine Learning and Deep Learning in Blockchain-based Smart-IoHT (Internet of Health Care Things), Frontiers in
Physiology https://www.frontiersin.org/research-topics/46629/role-of-machine-learning-and-deep-learning-in-blockchain-based-smart-ioht-internet-of-health-care-th

Guest Editor, Application of Computational Intelligence in Remote Sensing Based Sustainable Development, IET/ Wiley, Journal of

Engineering, https://ietresearch.onlinelibrary.wiley.com/hub/journal/20513305/homepage/cfp

Guest Editor, ELSEVIER-International Journal of Information Management (Impact Factor â€" 14.1) , https://www.journals.elsevier.com/international-journal-of-information-management/call-for-papers/emerging-digital-technologies-and-applications-for-smes

Topic Editor, AI enabled Smart Energy Systems: Challenges, Techniques and Opportunities, Frontiers in Energy Research-Journal(Impact Factor 4.008),

Lead Guest Editor, CMES-Computer Modeling in Engineering & Sciences-SI-"AI-Based Tools for Precision Medicine Solutions", https://www.techscience.com/CMES/special_detail/precision-medicine-solutions

Lead Guest Editor, MDPI-Future Internet-FRUCT 2022-SI-"Big Data and Augmented Intelligence", https://www.mdpi.com/journal/futureinternet/special_issues/31th_FRUCT2022

Volume Editor, Call for Book Chapter, Explainable (XAI) for Industrial Cyber Security, Wiley, 2022 https://www.frontiersin.org/research-topics/31413/ai-enabled-smart-energy-systems-challenges-techniques-and-opportunities

Lead Guest Editor, "High Performance Computing for AI Applications", MDPI-Future Internet-Journal, https://www.mdpi.com/journal/futureinternet/special_issues/HPC_AI

Lead Guest Editor, "Edge AI: Applications of Edge Computing and Artificial Intelligence in IoT", MDPI-Future Internet-Journal, https://www.mdpi.com/journal/futureinternet/special_issues/Edge_Computing_AI_IoT

Lead Guest Editor, "Machine Learning: Theory, Algorithms and Applications", MDPI-AXIOMS, https://www.mdpi.com/journal/axioms/special_issues/machine_learning_theo_algor_app

Guest Editor, "Digital Technologies for Smart Socio-Economic Development", Journal of Smart Cities and Society, IOS Press, https://www.iospress.com/catalog/journals/journal-of-smart-cities-and-society

Topic Editor, Wireless Communications and Edge Computing in 6G, Technologies Journal, MDPI, https://www.mdpi.com/topics/WCEC6G#

Lead Guest Editor, "Recent Advances in Cloud Computing Security", https://www.mdpi.com/journal/futureinternet/special_issues/Cloud_Computing_Security

Lead Guest Editor, Mobile Computing, Wireless Networks & Security, J-Multidisciplinary Scientific Journal, MDPI, https://www.mdpi.com/journal/technologies/special_issues/Mobile_Security

Guest Editor, Opportunities for Advancement in Network and Systems Management, WSEAS Transactions on Systems, https://wseas.com/journals/Special-Issue.php?id=12

Lead Guest Editor, MDPI-Energies Journal, https://www.mdpi.com/journal/energies/special_issues/negawatt_trading

Lead Guest Editor, MDPI-Future Internet Journal, https://www.mdpi.com/journal/futureinternet/special_issues/Big_Data_Analytics_Privacy_Visualization

Guest Editor, Taylor & Francis-IETE Journal of Research, "AI Enabled Big Data Analytics for Industrial Applications", https://think.taylorandfrancis.com/special_issues/ai-enabled-big-data-analytics-industrial-applications/

Guest Editor, International Journal of Electrical & Electronics Research, "Novel Architectures and Methods in Industrial IoT and Wireless Sensor Networks for Sustainable Computing", https://ijeer.forexjournal.co.in/special-issue-iiotwns.php

Lead Guest Editor, International Journal of Information Technology and Web Engineering - IGI Global https://www.igi-global.com/calls-for-papers-special/international-journal-information-technology-web/1093

Lead Guest Editor, International Journal - Internet of Things â€"
MDPI https://www.mdpi.com/journal/IoT/special_issues/artificial_intelligence_IoNT

Lead Guest Editor, International Journal - Symmetry â€"
MDPI https://www.mdpi.com/journal/symmetry/special_issues/Internet_Things_Smart_Cities_Eerging_Challenges_Opportunities

Lead Guest Editor, Malaysian Journal of Computer Science - Sustainable FinTech: The new challenges in Digital Transformation and Digital Assets

Guest Editor, Neural Computing and Applications, https://www.springer.com/journal/521/updates/18095132

Lead Guest Editor, Taylor & Francis - Information Security Journal: A Global Perspective, https://think.taylorandfrancis.com/special_issues/security-challenges-ai/?utm_source=TFO&utm_medium=cms&utm_campaign=JPG15743

Guest Editor, Application and Development of Micro Grid, Elsevier-Sustainable Energy Technologies and Assessments, https://www.journals.elsevier.com/sustainable-energy-technologies-and-assessments/call-for-papers/call-for-papers-application-and-development-of-micro-grid

Lead Guest Editor, IITDL 2021 : Integrating Immersive Technology (AR, VR, MR, XR) in Digital Learning, Wiley, http://www.wikicfp.com/cfp/servlet/event.showcfp?eventid=115448

Guest Editor, Demystifying Digital Twin Technologies and Artificial Intelligence for Industrial Transformation, Bentham Science Publisher, Book Chapter (Scopus & WOS), https://sites.google.com/view/dtai

Guest Editor, AIIHI 2021 : Artificial Intelligence for Innovative Healthcare Informatics, Springer Nature, http://www.wikicfp.com/cfp/servlet/event.showcfp?eventid=121367

Lead Guest Editor, Tec science - Computers, Materials & Continua, http://www.techscience.com/cmc/special_detail/wearable-technologies

Lead Guest Editor, Electronics Journal, https://www.mdpi.com/journal/electronics/special_issues/mobile_big_data

Lead Guest Editor, Elsevier - Array, https://www.journals.elsevier.com/array/call-for-papers/architecture-concepts-and-services

Lead Guest Editor, Big Data and Cognitive Computing, https://www.mdpi.com/journal/BDCC/special_issues/Big_Data_and_Internet_of_Things

Lead Guest Editor, Journal of Ambient Intelligence and Smart Environments, https://www.iospress.nl/wp-content/uploads/2020/04/CFP_Trustworthy_Computing_for_Secure_Smart_Cities.pdf

Lead Guest Editor, Sensors and Materials, https://myukk.org/SM2017/sm_pdf/CFP-SEIA_2020.pdf

Lead Guest Editor, Sensors and Materials, https://myukk.org/SM2017/sm_pdf/CFP-ARCI_2020.pdf

Guest Editor, Sensors, https://www.mdpi.com/journal/sensors/special_issues/SEIA_2020

Guest Editor, Sustainability, https://www.mdpi.com/journal/sustainability/special_issues/Integration_Green_ICTs

Lead Guest Editor, WSEAS Transactions on Systems and Control, https://www.wseas.org/cms.action?id=23252

Associated Conferences

Open,

General Chair, 4th IEEE Eurasia Conference on Biomedical Engineering, Healthcare and Sustainability ECBIOS 2022, https://www.ecbios.asia/

Advisory Chairman, Blockchain and Cryptocurrency Congress (B2C' 2022), Spain, https://sensorsportal.com/B2C/B2C_2022_flyer.pdf

General Chair, International Conference on Frontiers of Communications, Information System and Data Science (CISDS 2022), http://www.cisds.net/committee.html

General Chair, 2nd International Conference on Computer Application and Information Security (ICCAIS2022), https://www.iccaise.com/committee

Special Issue Editor, FRUCT 2022 : 31st IEEE FRUCT Conference, Finland, https://www.fruct.org/conference31

Program Chair, International Conference on Deep Sciences for Computing and Communications-2022, (IconDeepCOM-2022), https://www.srmist.edu.in/icondeepcom-2022/chairs

Program Comittee, 9th International Conference on Signal Processing and Integrated Networks (SPIN 2022)

TPC Chair, International Conference on Energy Power and Energy Chemistry (EPEC 2022), http://www.icepec.org/committeeSpeaker

Organizing Committee, 4th International Conference on Mechatronics, Systems Engineering and Automation, Japan, 2022, https://www.meetingsint.com/conferences/mechatronics/ocm

Scientific Board Member, International Conference on magnetics, plasmonics, and optical technologies (ICAPMOT 2021), Canada

Publicity Chair, 6th World Conference on Smart Trends in Systems, Security and Sustainability (IEEE WS4 2022), UK. https://worlds4.co.uk/ws4-conference.php

Technical Program Chair, International Conference on Intelligent Transportation and Smart Cities (ITSC2022), http://www.icitsc.org/commite.html

Program Committee, FRUCT 2022: 31st IEEE FRUCT Conference, Finland, https://www.fruct.org/conference31

Program Committee Chair, 4th International Conference on Advanced Information Science and System (AISS 2022), http://aiss2022.net/Committees.html

Conference Chair, European Conference on Natural Language Processing and Information Retrieval (ECNLPIR 2022), https://www.ecnlpir.org/com.html

Advisory Chairman, 2nd IFSA Winter Conference-Automation, Robotics & Communications for Industry 4.0 (ARCI' 2022), ANDORRA, https://arci-conference.com/, https://www.sensorsportal.com/ARCI/ARCI_2022_Call_for_Papers.pdf

Publicity Chair, 3rd International Conference on Electronic Engineering and Signal Processing 2022, Turkey, http://www.eesp.net/committee.html

TPC Member, 7th International Conference on Computer and Communication Systems, 2022, http://www.icccs.org/committee.html

Program Chair, 3rd International Conference on Pattern Recognition and Machine Learning (PRML 2022), http://prml.org/com.html

Publicity Chair, 4th International Conference on Applications of Big Data and Artificial Intelligence , 2022, https://www.abdai.org/com.html

Reviewer, The 6th International Conference on Computer, Communication and Signal Processing 2022, ICCCSP

Reviewer, WS10 IEEE ICC 2022 Workshop on Scalable, Secure and Intelligent Blockchain for Future Networking and Communications, Canada, 2022

General Chair, 2nd Edition of Lasers, Optics, Photonics, Sensors, Biophotonics & Ultrafast Nonlinear Optics, 2022, https://exceleve.com/photonoptics/committee.php

Reviewer, 30th EUSIPCO 2022, Serbia

Reviewer, Trends in Electrical, Electronics, Computer Engineering Conference (TEECCON), 2022

Technical Program Committee, Springer International Conference on â€œApplied Data Science and Smart Systems (ADSSS-2022)â€

Session Chair, WORLD SYMPOSIUM ON SMART MATERIALS SCIENCES AND ENGINEERING 2022

Organizing Committee, Renewable and Non Renewable Energy (Gcrnre-2022) , Spain

General Chair, International Conference on Computer Networks and Communications, ICCNC2022, http://www.iccnc2022.com/?op=committee

Publication Chair, 4th International Artificial Intelligence Technology Conference, 2022, http://www.aitc.org/committee.html

Conference Chair, Euro-Asia Conference on Frontiers of Computer Science and Information Technology (FCSIT'22), https://www.ecfcsit.org/com.html

Conference Chair, The 2nd International Conference on Computer, Remote Sensing and Aerospace(CRSA 2022), Japan, http://www.iccrsa.org/committeeSpeaker

General Chair, 2nd International Conference on Computer Engineering and Artificial Intelligence, ICCEAI, 2022

Technical Program Committee, 1st IEEE/IFIP International Workshop on Intelligence Provisioning for Network and Service Management in Softwarized Networks (IPSN), Hungary, 2022 https://ipsn2022.spilab.es/

Technical Program Chair, 3rd International Conference on Mobile Computing and Sustainable Informatics (ICMCSI 2022), NEPAL, http://icmcsi.com/2022/committee.html

Publicity Chair, The International Conference on Emerging Trends in Artificial Intelligence and Smart Systems, THEETAS 2022, https://theetas.com/committees/

International Advisory, International Conference on Advances in Science, Engineering and Technology, ICASET 2021

Program Committee, International Conference on Applied Research in Data Science and Artificial Intelligence (DSAI-2022), UK

International Advisory, 3rd International Conference on Engineering and Agricultural Sciences, ICEAS-2021, Indonesia

Program Committee, 18th International Conference on Intelligent Environments (IE2022), 20-23 June 2022, France, https://ie2022.iutbayonne.univ-pau.fr/

General Chair, International Conference on AI and High Performance Computing (AIHPC 2022), https://aihpc.cf/Committees.html

TPC Member, 28th International Conference ICSEng 2021, POLAND, https://icseng.pwr.edu.pl/

SCIENTIFIC COMMITTEE, INTERNATIONAL MEET ON APPLIED SCIENCE, ENGINEERING AND TECHNOLOGY, Denmark , 2022

International Advisory, International Conference on Academic Research and Innovation in Management, Information Technology, Social Science & Education (ICARI-2021)

Program Chair, 2nd International Conference on Computer and Communication Engineering (CCCE 2022), Italy, http://www.ccce.net/index.html

Esteemed International Advisors, International Conference on Emergence in Commerce, Business, Management & Information Technology (ICONECBIT - 2021), https://sites.google.com/view/iconecbit-2021/committees-leadership/esteemed-international-advisors

Organizing Committee, 2nd Global Summit and Expo on Mechanical and Mechatronics Engineering (GSEMME2022) Scotland, https://www.thescientistt.com/mechanical-mechatronics-engineering/2022/organizing-committee.php#

Scientific Committee, Blockchain and Emerging Technologies in Health Track at ConV2X, 2021, http://conv2xsymposium.com/blockchain-academic-committee/

Advisory Chairman, 7th International Conference on Sensors and Electronic Instrumentation Advances (SEIA' 2021), Spain https://www.seia-conference.com/ https://www.sensorsportal.com/SEIA_2021/SEIA_2021_Call_for_Papers.pdf

Co-Patron, International Conference On Informatics, Artificial Intelligence & Intelligent Systems (ICONIAIIS-2021) https://sites.google.com/view/iconiaiis-2021/home

General Co Chair, The International Conference on Technological Innovation and Social Governance (TISG2021) http://www.tisg2021.org/?op=committee

Organizing Committee, World Graphene Technology Summit (GTS-2021), USA https://www.phronesisonline.com/graphene-technology-summit/index.php#committee

Organizing Committee, Global Summit on Biomedical Engineering and Systems (GSBES2022), Denmark https://www.phronesisonline.com/graphene-technology-summit/index.php#committee

Track Chair, 2021 IEEE Mysore Sub Section Flagship International Conference (MysuruCon) https://www.thescientistt.com/biomedical-engineering/2022/organizing-committee.php

Patron, Indo-US Conference on Communication, Automation and Power Engineering (ICCAPE-2021), India https://www.iccape.com/

General Chair, International Conference on Electronics, Computer Engineering and Data Sciences, Australia, ECEDS 2022 https://eceds.org/committees

General Chair, EAI HealthWear 2021 - 3rd EAI International Conference on Wearables in Healthcare, 2021, USA https://healthwear-conference.eai-conferences.org/2021/organizing-committee/

General Chair, International Conference on Computer Engineering and Artificial Intelligence, ICCEAI, 2021 http://icceai.org/ICCEAI%202021%20Call%20for%20Papers.pdf

General Chair, 8th Annual International Conference on Information Technology and Applications ITA2021, 2021 http://www.ita2021.org/?op=committee

Publication Chair, 3rd International Artificial Intelligence Technology Conference, 2021 http://www.aitc.org/index.html

Publication Chair, 3rd Asia Service Sciences and Software Engineering Conference http://www.asse.net/committee.html

Publication Chair, 3rd International Conference on Machine Learning and Intelligent Systems (MLIS 2021) http://www.machinelearningconf.org/TPC

Publicity Chair, 4th Asia Pacific Information Technology Conference (APIT 2022), Thailand http://www.apit.net/committee.html

Program Chair, IEEE 2nd International Conference on Pattern Recognition and Machine Learning (PRML 2021) http://prml.org/com.html

Advisory Chairman, 3rd IFSA Frequency and Time Conference (IFTC' 2021), Spain https://iftc-conference.com/ https://www.sensorsportal.com/IFTC_2021/IFTC_2021_Call_for_Paper.pdf

Advisory Chairman, 1st IFSA ARCI 4.0 2021, France
 https://sensorsportal.com/ARCI/ARCI_2021_Call_for_Papers.pdf

General Chair, 2ND FORUM OF REVOLUTIONS IN RENEWABLE ENERGY IN 21ST CENTURY, 2021, HUNGARY, https://foren21.org/

TPC Chair, INTERNATIONAL CONFERENCE ON RECENT TRENDS IN COMPUTING (ICRTC 2021) http://www.icrtce.com/committee.html

Program Committee member, 2021 International Conference on Time Series and Forecasting ITISE-2021, SPAIN http://itise.ugr.es/

Technical Committee, International Conference on Advanced Engineering, Technology and Applications ICAETA-2021 https://icaeta.aiplustech.org/committee.html

International Scientific Committee, International Conference on Modern Management and Education Research (MMER2021) http://mmer2021.org/index.html

TPC Member, EIA Asia 2021 1st Energy Informatics. Academy Conference Asia, Beijing China, 2021 https://www.energyinformatics.academy/eia-asia-2021-conference-organizers

Publicity Chair, 5th World Conference on Smart Trends in Systems, Security and Sustainability (IEEE WS4 2021), UK. https://worlds4.co.uk/ws4-conference.php

Publicity Chair, 6th International Conference on Computing, Control and Industrial Engineering, 2021, http://www.ccieconf.com/Committee.html

Publicity Chair, 21CW2021: IEEE SSIT 3rd Conference on Norbert Wiener in the 21st Century, https://21stcenturywiener.org/international-program-committee/

TPC Member, 3rd Edition ICC21 Conference on Internet of Things and Cloud Computing, UK, 2021 https://icc-conference.net/committee/

TPC Member, 2021 IEEE the 6th International Conference on Computer and Communication Systems, China, 2021

TPC Member, The 7th International Conference on Fuzzy Systems and Data Mining (FSDM 2021), South Korea http://www.fsdmconf.org/

Publication Chair, The 2nd International Conference on Modern Management based on Big Data (MMBD2021), China http://www.mmbdconf.org/TPC

TPC Member, International Conference on Computer Communication and Artificial Intelligence, China, 2021 http://www.ccai.net/index.html

Organizing Committe Member, 2nd International Conference on Nanotechnology and Nanomaterials, USA, 2021

Organizing Committe Member, Global Conference on Polymer Science and Engineering (Polymer Science-2021), Luxembourg, 2021

Publicity Chair, 3rd International Conference on Image, Video and Signal Processing (IVSP), 2021 http://www.ivsp.net/IVSP%202021%20CFP.pdf http://www.ivsp.net/committee.html

Publicity Chair, 3rd International Conference on Industrial Applications of Big Data and Artificial Intelligence, 2021 http://www.bdai2021.org/com.html

Organizing Committee Member, International conference on Material Science and Engineering, 2021, DUBAI https://www.meetingsint.com/conferences/materialscience/ocm

Publicity Chair, 1ST INTERNATIONAL CONFERENCE ON COMPUTING AND MACHINE INTELLIGENCE, Turkey, 2021 https://icmi.aiplustech.org/committees.html

International Liason Co-Chair, 12th International Conference on Computer Recognition Systems (CORESâ€™21), Poland, 2021, http://ipc-conference.utp.edu.pl/

International Liason Co-Chair, 12th International Conference on Image Processing and Communications (IP&Câ€™21) , Poland, 2021, http://ipc-conference.utp.edu.pl/

Publicity Chair, 6th International Conference on Computing, Control and Industrial Engineering, 2020, http://www.ccieconf.com/Committee.html

Publicity Chair, 6th International Congress on Information and Communication Technology in concurrent with ICT Excellence Awards (ICICT 2021), 2021 https://icict.co.uk/committees.php#tab5

TPC Member, 16th International Conference on Mobility, Sensing and Networking (IEEE MSN 2020), 2020, Japan, https://conference.cs.cityu.edu.hk/msn2020/progcom.php

Publicity Chair, 1st Energy Informatics. Academy Conference Asia, 2021, China. https://www.energyinformatics.academy/eia-asia-2021-conference-organizers

Co-Chairman, 1st INTERNATIONAL Virtual CONFERENCE - ACTUALISING INNOVATIVE LITERACY AND CREATIVE TECHNOLOGY IN NIGERIA: THROUGH AND BEYOND THE PANDEMIC, 2020 https://portal.fpo.edu.ng/asup1.htm

General Chair, International Conference on Cloud Computing and Information Science, 2021, China. https://www.seminarjan.org/conference/OrganizingCommittee.aspx?id=1325

Advisory Chairman, 6th International Conference on Sensors and Electronic Instrumentation Advances, SEIA' 2020, Portugal https://www.sensorsportal.com/SEIA_2020/SEIA_2020_Call_for_Papers.pdf

Publicity Chair, 4th World Conference on Smart Trends in Systems, Security and Sustainability (IEEE WS4 2020), UK. https://worlds4.co.uk/ws4-conference.php

Publicity Chair, 4th International Conference on Big Data and Internet of Things, 2020, Singapore. http://www.bdiot.org/BDIOT2020-CFP.pdf

TPC Member, EIA Asia 2020 1st Energy Informatics. Academy Conference Asia, Beijing China, 11-13 December 2020 https://www.energyinformatics.academy/eia-asia-2020-conference

TPC Member, 2nd International Conference on Computer, Software Engineering and Applications, 2020, TAIWAN http://www.csea.net/index.html

General Chair, International Conference on Analysis, Control and Modelling, RUSSIA, 2020. http://icacm.smtu.ru/index.html

General Chair, 1st Online Conference on Internet of Things, Scion, September, 2020 https://scionconferences.com/internet-of-things/committees/

Advisory Committee Member, 11th Annual International Research Conference, SIMSARC, India, 2020, https://www.sims.edu/assets/pdf/SIMSARC_Brochure.pdf

General Chair, 2nd International Conference on Science and Technology Metrics 2020, http://socio.org.uk/stm/wp-content/uploads/2020/07/STM.pdf

Closed,

International Advisory Board, International Multidisciplinary Conference on Information Science, Management Research and Social Science, IMCISMRSS, 2022

TPC Member, IEEE GLOBECOM - EHEALTH, 2022, USA

Reviewer, IEEE World Conference on Applied Intelligence and Computing, 2022

Reviewer, IEEE CONECCT 2022

Reviewer, International Conference on Computer Science and Information Technology (COMSCI 2022)

Program Committee, 9th International Conference on Signal Processing and Integrated Networks (SPIN 2022)

Reviewer, Third International Conference on Artificial Intelligence, Information Processing and Cloud Computing http://www.aiipcc.org/

General Chair, 7th International Conference on Mechanical, Electronic and Communication Engineering, MECE2022

Program Chair, 3rd International Conference on Computer and Communication Engineering (CCCE 2023), Stockholm, http://www.ccce.net/index.html

Organizing Committee, International Conference on Artificial Intelligence and Robotics, Japan, 2022

Organizing Committee, International Conference on Big Data and Artificial Intelligence (ICBDAI 2022)

Organizing Committee, 5th INTERNATIONAL CONFERENCE ON THE FUTURE

OF NURSING AND NURSING EDUCATION, Dubai, 2022

Organizing Committee, 2nd International Conference on Computer Vision and Pattern Analysis (ICCPA 2022)

General Chair, 7th Int'l Conference on Semiconductor Physics and Devices (ICSPD 2022)

General Chair, 2022 International Workshop on Big Data and Computing (WBDC 2022), http://www.iwbdc.org/com

Publication Chair, 2022 International Conference on Control Theory and Applications (ICoCTA 2022), http://www.icocta.org/com.html

Publication Chair, 2022 International Symposium on Computing and Artificial Intelligence (ISCAI 2022), http://www.iscai.org/com.html

Publication Chair, 2022 International Conference on Intelligent Vehicles (ICoIV 2022), http://www.icoiv.org/com.html

Publication Chair, 2022 International Joint Conference on Automation Science and Engineering (JCASE 2022), http://www.ijcase.org/com.html

Invited Special Guest, International Conference on Deep Sciences for Computing and Communications-2022, (IconDeepCOM-2022)

Invited Keynote, International Conference on Emerging Trends in Artificial Intelligence and Smart Systems (Theetas-2022)

Invited Keynote, 4th International Virtual Conference on Advances in Computing & Information Technology (IACIT- 2022)

TPC, International Conference on Connected Systems & Intelligence (CSI'22), IEEE

Invited speaker, "Intelligent Cloud", MEC, India, 2021

Invited Keynote, THE 1ST INTERNATIONAL CONFERENCE ON MathCom 2022

Invited speaker, The International Conference on Emerging Trends in Artificial Intelligence and Smart Systems, THEETAS 2022

Organizer, Webinar-PEER PRESSURE, Global Students Nest MOROCCO, 2022

TPC Member, IEEE ICC'21 Workshop - 5G-Sec, Canada, 2021

TPC Member, IEEE GLOBECOM - Workshop - NetMan6G, 2021, SPAIN

TPC Member, International Conference on Computer Application and Information Security (ICCAIS 2021)

Invited STTP speaker, "Bockchain and its application: Recent advancements in Blockchain", KCG/AICTE&CSI, India, 2021

Session Chair, 1st Webinar on How to Prepare for a Career in Artificial Intelligence, Singapore, 2021

Invited Webinar Speaker, How to Build a Career in AI & ML, SRM, India, 2021

Invited Keynote Speaker, A genetic algorithm based energy efficient group paging approach for IoT over 5G, Global Conference on Electrical and Electronics, 2021, Italy

Invited Key note speaker, 2nd International Conference on Artificial Intelligence, Information Processing and Cloud Computing, 2021, China

Invited Keynote Speaker, The International Symposium on Agents, Multi-Agent Systems and Robotics 2021 (ISAMSR 2021), Malaysia

Invited Keynote speaker, St. Mary's Group of Institutions, India, 2020

Invited Webinar Speaker, Impact of Digital Technology in Healthcare, Global Association of Indian Medical Students of TN, India, 2021

Advisory Committee Member, International Symposium on Foundation and Advances in Research Methods & Computing (ISFARAC-21), https://sites.google.com/view/international-symposium/organizing-committee/international-advisors

TPC Member, 2nd International Conference on Communication and Intelligent Systems, ICCIS 2020

Invited Webinar Speaker, "Use cases of Big Data and Artificial Intelligence in areas of Agriculture, Power, Water and Telecommunication Companies" Annamalai University, India, 2020

Session Chair, "Smart Contract", 15th IEEE INFOCOM 2020, Canada

Invited Key Note Speaker, International Conference on ML and CS in Industry 4.0

International Scientific Committee , 7th Iran Wind Energy Conference (IWEC 2021)

Invited Key note speaker, INTERNATIONAL CONFERENCE ON RECENT TRENDS IN COMPUTING (ICRTC 2021) India

TPC Member, IEEE GLOBECOM - Workshop - 5GWiS, 2020, TAIWAN

Scientific Advisory Board, Smart Devices Symposium 2021, Japan

TPC Chair, The 3rd Int'l Conference on Data, Information and Knowledge Management, 2020

Reviewer, 28th EUROSIP 2020, Netherlands

Invited Webinar Speaker, "Data Analytics using Python", SNS 2020, India

Invited Keynote Speaker, "Smart Industry", Smart Devices Symposium 2021, Japan

Session Co-Chair, "Smart Industry", Smart Devices Symposium 2021, Japan

Invited Webinar Speaker, "Usage of ICT in Health Information Systems", ACE 2020, India

Invited Webinar Speaker, "New Technologies in Healthcare", SRM 2020, India

Invited Keynote Speaker, 11th International Conference on Advances in Information Technology IAIT 2020, Thailand

Invited Webinar Speaker, "Cloud 1 to 5", SNS 2020, India

Invited STTP speaker, "ML with Python in DS Applications and Research Perspective", SRM/AICTE, India

Invited Keynote Speaker, "International Conference on Cloud Computing and Information Science", 2021, China

Associated Seminar

Organizing Chair, "International Seminar on Importance of Systems Engineering for Human space exploration", **UNSW-NASA Event**, Apr 2020.

Associated Journal Editorials/ Reviews

Academic Editor, International Journal of Computer Games Technology, Hindawi, (Scopus, EI)

Editor, Indonesian Journal of Electrical Engineering and Computer Science, (Scopus)

Editorial Board, Journal of Smart Cities and Society, IOS Press

Associate Editor, Int. J. Reconfigurable and Embedded Systems, IAES, (SCOPUS)

Topical Advisory Panel, MDPI- AXIOMS - Journal

Associate Editor, Blockchain - Journal

Editorial Board Member, MDPI-Future Internet

Associate Editor, Complex Engineering Systems - International Journal, Italy

Associate Editor, Journal of Smart Environments and Green Computing

Editorial Board Member, Journal of Computer Science Research

Editorial Committee, Journal- Current Trends in Computer Science & Applications

Topic Editor, Journal of Sensor and Actuator Networks, MDPI

Editorial Board Member, Technologies-Journal, MDPI (WOS)

Editor, Bigdata & Artificial Intelligence, Current Advances in Big Data Journal, Benthamscience

Editor in Chief, Journal of Cognitive Human-Computer Interaction

Editor in Chief, Journal of Computer Graphics and Immersive Technology

Editorial Board, Cloud Computing and Data Science - Journal, WISER

Lead Guest Editor, "Advanced Techniques and Emerging Trends in Smart Cyber-Physical Systems", Elsevier-Future Generation Computer Systems, 2020

Lead Guest Editor, "Trustworthy Computing for Secure Smart Cities", Journal of Ambient Intelligence and Smart Environments, 2020

Guest Editor, "Integration of Green ICTs and Industry into Green Governance for a Sustainable Ecosystem", MDPI-Sustainability, 2020

Lead Guest Editor, The International Journal of Web Based Communities, Inderscience, 2020

Lead Guest Editor, International Journal of Continuing Engineering Education and Life-Long Learning, Inderscience, 2020

Lead Guest Editor, Malaysian Journal of Computer Science, UM, 2020

Associate Editor, EAI Endorsed Transactions on Cloud Systems, EAI Italy

Associate Editor, Frontier Energy System and Power Engineering

Associate Editor, International Journal on Informatics Visualization, PNP Indonesia

Associate Editor, Frontiers in Communications and Networks

Associate Editor, International Journal of Advances in Signal and Image Sciences

Computer Science Editorial Advisory Board, Cambridge Scholars Publishing, UK

Member, Editorial Review Board, International Journal of Healthcare Information Systems and Informatics, IGI Global

Member, Editorial Review Board, Digital Business and Innovation, ESIC Journal

Member, Editorial Board, Cloud Computing and Data Science, WISERPUB

Section Editor, Computer Science and Engineering, Electronics Journal (IF-2.14), MDPI

Editorial Board Member, Digital Economy and Innovation ESIC Journal, Europe

Editor Board Member, Journal of Telecommunications Systems & Management, UK

Editor, Emerging Science Journal (SCOPUS)

Editor, IRA International Journal of Applied Sciences

Editor, Mother Teresa Women's University E-Journal

Editor, Iraqi Journal for Computer Science and Mathematics

Editor, Nova Science Publishers, Inc., USA

Editor, Intech Open, UK

Editorial board, BOHR International Journal of Networking Security and Cryptography (BIJNSC), Bohr Publishers

Topic Editor, Computer Science and Engineering, Electronics Journal (IF-2.14), MDPI

Editor, Blockchain in Healthcare Today - International Journal, Published by Partners in Digital Health

Advisory Board, International Journal of Emerging Technology and Advanced Engineering (Scopus)

Reviewer, Journal on Selected Areas in Communications, IEEE

Reviewer, IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing

Reviewer, Computer Communications, Elsevier

Reviewer, Clean Energy Journal

Reviewer, Journal of Health Literacy

Reviewer, IEEE JSAC

Reviewer, Recent Patents on Engineering

Reviewer, Computational Intelligence and Neuroscience

Reviewer, Engineering Reports, Wiley

Reviewer, Security and Privacy, Wiley

Reviewer, AGRICULTURE, MDPI

Reviewer, Cryptography, MDPI

Reviewer, Micromachines, MDPI

Reviewer, Algorithms, MDPI

Reviewer, PLOS Journal

Reviewer, Journal of Intelligent Systems

Reviewer, Review of Computer Engineering Research

Reviewer, Computational Biology and Chemistry

Reviewer, Security and Communication Networks

Reviewer, Big Data Mining and Analytics

Reviewer, Journal of Computer Science

Reviewer, Journal of Computational Methods in Sciences and Engineering

Reviewer, IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing

Reviewer, IEEE Networking Letters

Reviewer, Energy Science & Engineering-Wiley

Reviewer, Journal of Current Science and Technology, Thailand

Reviewer, Mathematics - MDPI

Reviewer, Intelligence & Robotics-Journal

Reviewer, Int. J. Reconfigurable and Embedded Systems, IAES

Reviewer, Recent Advances in Electrical & Electronic Engineering, Bentham Science

Reviewer, International Journal of Bacteriology and Mycology

Reviewer, Current Materials Science, Bentham Science

Reviewer, IEEE Transactions on Green Communications and Networking

Reviewer, Hindawi-Mathematical Problems in Engineering â€" Journal

Reviewer, Designs, MDPI

Reviewer, Spinger-Earth Science Informatics

Reviewer, Elsevier-Sustainable Computing: Informatics and Systems

Reviewer, Information, MDPI

Reviewer, Entropy, MDPI

Reviewer, Array, Springer

Reviewer, Sustainability, MDPI

Reviewer, Intelligent Automation & Soft Computing, Tech Science

Reviewer, Applied Computing and Informatics, Emerald

Reviewer Board Member, Healthcare- Journal, MDPI

Reviewer, IEEE Transactions on Multimedia, IEEE

Reviewer, IEEE Access, IEEE

Reviewer, ACM Journal on Emerging Technologies in Computing Systems, ACM

Reviewer, Journal - Brodogradnja

Reviewer, Financial Innovation, Springer

Reviewer, Machine Vision and Applications, Springer

Reviewer, Soft Computing, Springer

Reviewer, Energies- Journal, MDPI

Reviewer, Healthcare- Journal, MDPI

Reviewer, Frontiers in Public Health

Reviewer, International Journal of Electrical and Computer Engineering, IAES

Reviewer, Indonesian Journal of Electrical Engineering and Computer Science

Reviewer, Soil Dynamics and Earthquake Engineering Journal, Elsevier

Reviewer, Technology in Society, Elsevier

Reviewer, International Journal of Information Management, (IF 8.5), Elsevier

Reviewer, Sustainable Cities and Society, Elsevier

Reviewer, PEERJ COMPUTER SCIENCE

Reviewer, Internet of Thnings Journal, MDPI

Reviewer, International Journal of Nanotechnology, Inderscience

Reviewer, Multimedia Tools and Applications, Springer

Reviewer, Computers, Materials & Continua, Techscience

Reviewer, 29th EUSIPCO 2021, Ireland

Reviewer, Journal of Marine Science and Engineering, MDPI

Reviewer, International Journal of Applied Science and Engineering, Chaoyang University of Technology

Reviewer, Big Data Journal, Liebertpub

Reviewer, Applied Sciences Journal, MDPI

Reviewer, Symmetry, MDPI

Reviewer, Sensors, MDPI

Reviewer, JESTEC

Reviewer, An International Journal of Computing and Informatics

Reviewer, Mathematical Biosciences and Engineering Journal, AIMS Press

Reviewer, Journal of Cybersecurity and Privacy, MDPI

Reviewer, Sadhana - Academy Proceedings in Engineering Sciences, Springer

Reviewer, Journal of Ocean Engineering and Marine Energy, Springer

Reviewer, Personal and Ubiquitous Computing, Springer

Reviewer, IET Journals

Reviewer, Archives of Computational Methods in Engineering, Springer

Reviewer, Journal of Sensor and Actuator Networks, MDPI

Reviewer, International Journal of Applied Research on Public Health Management, IGI Global

Reviewer, IEEE Network Magazine

Member Reviewer Board, Journal of Engineering Science and Technology

Reviewer, Complex & Intelligent Systems, Springer

Reviewer, Springer-Evolving systems Journal

Reviewer, Neural Computing and Applications, Springer

Reviewer, The Journal of Supercomputing, Springer

Reviewer, Computers Journal, MDPI

Reviewer, Frontiers in Psychology

Reviewer, Frontiers in Medicine

Reviewer, Cognitive Neurodynamics, Springer

Reviewer, Journal of the Chinese Institute of Engineers, Taylor & Francis

Associated Memberships

IEEE, USA

IFSA Membership, France

Professional Member, Diversity Council, Australia

Honorary Rosalind Member, London Journals Press.

Australian Computer Society(ACS), Australia.

Indian Society for Technical Education (ISTE), India

Computer Science Teachers Association, USA

International Association of Engineers, Hong Kong

Association for Computer Machinery, USA

Council Member, GLG Group

Professional Member, KEOAEIC Group

Professional Member, AIS Group

Associated Organizations

IEEE Working Group Member, IEEE SA, USA

International Project Examiner, Dutch Research Council (NWO) , Netherlands

International PhD Examiner - Delhi Technological University

Ambassador-ADYPU, The Association of Commonwealth Universities, UK

Editor's Choice Article Award - Evaluation Committee Member, MDPI-Technologies

Adjunct Professor, Rajasthan Institute of Engineering & Technology

Advisor International, IPG, India

Batch Coordinator, CSE 99 KSRCT ALMA, India

International Collaborations Advisor, Kementerian Pendidikan Malaysia, SK Kelana Jaya 1, School, Malaysia

Consultant, Great Learning

International Faculty Examiner, Umm AlQura University, Saudi Arabia

International MS Research Examiner, The University of the South Pacific, FIJI

AI Researcher, IntelliDent AI, Dubai, UAE

Global Ambassador, Global Biotech Revolution

Doctoral Supervisor, Swiss School of Business and Management, Switzerland

International Advisory Board, Vishwakarma University Research Center of Excellence for Health Informatics (VU-RCEHI)

Evaluator, Special Issue Book Series, Springer-Nature

Outstanding Reviewer Award - Committee Member, MDPI-Future Internet

Editor's Choice Article Award - Committee Member, MDPI-Future Internet

International PhD Examiner- KL University

International PhD Examiner- Noorul Islam University, India

International PhD Examiner- NATIONAL INSTITUTE OF TECHNOLOGY WARANGAL

International PhD Examiner- Shri Mata Vaishno Devi University

International PhD Examiner, Annamalai University, India

International PhD Examiner, Maharishi Markandeshwar University, India

International PhD Examiner, Indian Institute of Technology Roorkee, India

International PhD Examiner, Indian Institute of Technology (ISM) Dhanbad, India

International PhD Examiner, Periyar Maniammai University, India

International PhD Examiner, MM University, India

International PhD Examiner, PSG College of Technology, Anna University, India

International PhD Examiner, Indian Institute of Technology (BHU) Varanasi, India

Mentor, Grey FX studio, Atal Incubation Center, Banaras Hindu University (BHU), India.

Digital Ipress Interest Working Group, Newzealand

CEO, DEEPAYUS, India

Global Ambassador, University of People, Israel

Vice President, EDUNDI-Innovating Intelligence, Singapore

GM, NDI-Innovating Intelligence, Singapore

CDO, MIT Square, India

Founder, Global Students Nest

International PhD Examiner, Avinashilingam University for Women, India

International PhD Examiner, Visvesvaraya Technological University, India

International PhD Examiner, SRM University, India

International PhD Examiner, VELS University, India

International PhD Examiner, Bharathiar University, India

International PhD Examiner, Periyar University, India

Lead Advisor, BriteYellow Private Ltd, UK

Management Committee MEMBER, LWA School, India

Visiting Professor, Kyungpook National University, Korea

Visiting Post Doc Scientist, Universidade Federal do Piaui, Brazil

Cloud Computing Consultant, MIT Square, UK

IoT Working Group Member, Bureau of Indian Standards, Government of India, India

Associated Projects

Chief Project Leader, Digital Middle Platform for All Application Scenarious in the Smart Logistics Industry, ARPA Digital Technology Co., Ltd, China, 2021

CoSupervisor, ACMoM (Architecture-Centric Model Management), Télécom Paris, Institut Polytechnique de Paris, France, 2021

Member, Consortia of Secure Chains (COST), Smart & Lean Hub Ltd, Finland with 24 plus Countries, 2020

Member, K17 Green Team, Green Impact, UNSW, 2020

Associated Publications â€" Journals

Daria Y. Mironova, Vijayakumar Varadarajan, Nadezhda V.Barakova, Asemgul A. Tokbaeva, Olga N. Rumiantseva, Elizaveta E. Pomazkova,

Igor V. Baranov, Liudmila I. Tishchenko, "Methods of commercialization and usage of Sosnovsky hogweed processing", 2022, MDPI, Recycling

Stephen Afrifa,Tao Zhang,Peter Appiahene,Vijayakumar Varadarajan, "Mathematical and Machine Learning Models for Groundwater Level Changes: A Systematic Review and Bibliographic Analysis", 2022, MDPI, Future Internet https://www.mdpi.com/1999-5903/14/9/259/htm

Mahesh Chavan ,Vijayakumar Varadarajan ,Shilpa Gite ,Ketan Kotecha, "Deep Neural Network for Lung Image Segmentation on Chest X-ray", 2022, MDPI, Technologies https://www.mdpi.com/2227-7080/10/5/105/htm

K Aditya Shastry, V Vijayakumar, Manoj Kumar M V, Manjunatha, Chandrashekhar B N, "Deep Learning Techniques for the Effective Prediction of Alzheimerâ€™s Disease: A Comprehensive Review", 2022, MDPI, Healthcare https://www.mdpi.com/2227-9032/10/10/1842

Shruti Patil, Vijayakumar Varadarajan, Supriya Mahadevkar, Rohan Athawade, Lakhan Maheshwari, Shrushti Kumbhare, Yash Garg, Deepak Dharrao, Pooja Kamat, Ketan Kotecha, "Enhancing Optical Character Recognition on Images with Mixed Text Using Semantic Segmentation", 2022, MDPI, J. Sens. Actuator Netw https://www.mdpi.com/2224-2708/11/4/63/htm

Mohammad Sajid,Jagendra Singh,Raza Abbas Haidri,Mukesh Prasad,Vijayakumar Varadarajan,Ketan Kotecha,Deepak Garg, "A Novel Algorithm for Capacitated Vehicle Routing Problem for Smart Cities",2022, MDPI, Symmetry https://www.mdpi.com/2073-8994/13/10/1923

Gunnam Suryanarayana,Vijayakumar Varadarajan,Siva Ramakrishna Pillutla,Grande Nagajyothi,Ghamya Kotapati, "Multiple Degradation Skilled Network for Infrared and Visible Image Fusion Based on Multi-Resolution SVD Updation", 2022, MDPI, Mathematics https://www.mdpi.com/2227-7390/10/18/3389/htm

Rajasekhar Chaganti,Vijayakumar Varadarajan,Venkata Subbarao Gorantla ,Thippa Reddy Gadekallu,Vinayakumar Ravi, "Blockchain-Based Cloud-Enabled Security Monitoring Using Internet of Things in Smart Agriculture", 2022, MDPI, Future Internet https://www.mdpi.com/1999-5903/14/9/250

Subramaniyaswamy Vairavasundaram,Vijayakumar Varadarajan,Deepthi Srinivasan,Varshini Balaganesh,Srijith Bharadwaj Damerla,Bhuvaneswari Swaminathan,Logesh Ravi, "Dynamic Physical Activity Recommendation Delivered through a Mobile Fitness App: A Deep Learning Approach", 2022, MDPI, Axioms https://www.mdpi.com/2075-1680/11/7/346

Shivali Amit Wagle,Harikrishnan R,Vijayakumar Varadarajan,Ketan Kotecha, "A New Compact Method Based on a Convolutional Neural Network for Classification and Validation of Tomato Plant Disease", 2022, MDPI, Electronics https://www.mdpi.com/2079-9292/11/19/2994

Shruti Patil 1,Vijayakumar Varadarajan,Siddiqui Mohd Mazhar,Abdulwodood Sahibzada,Nihal Ahmed,Onkar Sinha,Satish Kumar,Kailash Shaw,Ketan Kotecha, "Explainable Artificial Intelligence for Intrusion Detection System", 2022, MDPI, Electronics https://www.mdpi.com/2079-9292/11/19/3079

Jayshree Pande, Paresh Nasikkar, Ketan Kotecha, Vijayakumar Varadarajan, "A Review of Maximum Power Point Tracking Algorithms for Wind Energy Conversion Systems", 2022, MDPI, JMSE

Deva Chaitanya Sanakkayala,Vijayakumar Varadarajan,Namya Kumar,Karan,Girija Soni ,Pooja Kamat ,Satish Kumar,Shruti Patil,Ketan Kotecha, "Explainable AI for Bearing Fault Prognosis Using Deep Learning Techniques", 2022, MDPI, Micromachines https://www.mdpi.com/2072-666X/13/9/1471/htm

Vijayakumar Varadarajana, Piet Kommers, Vincenzo Piuri, Preface of Special Issue on Advanced techniques and emerging trends in Smart Cyber–Physical Systems, Elsevier-Future Generation Computer Systems, Volume 135, Pages 299-302, October 2022, (Impact Factor –7.2), **https://www.sciencedirect.com/science/article/pii/S0167739X22001765?dgcid=author**

Shruti Jain, Cherry Bhargava, Vijayakumar Varadarajan, Ketan Kotecha (2022)., Fuzzy System Design Using Current Amplifier for 20nm CMOS Technology. Computers, Materials and Continua, 72 (1), 1815-1829

Saravana Kumar, N.M., Pagadala, P.K., Vijayakumar, V. et al. Multi Objective Glow Swarm Based Situation and Quality Aware Routing in VANET. Wireless Pers Commun (2022). https://doi.org/10.1007/s11277-022-09582-5

Madabattula Archana, VijayaKumar Varadarajan, Sai Sravan Medicherla, Study on the ERP Implementation Methodologies on SAP, Oracle NetSuite, and Microsoft Dynamics 365: A Review, https://doi.org/10.48550/arXiv.2205.02584

B. S. Kiruthika Devi, V Vijayakumar , G Suseela, B. Prabhu Kavin, S. Sivaramakrishnan, Joel J. P. C. Rodrigues, AN IMPROVED SECURITY FRAMEWORK IN HEALTH CARE USING HYBRID COMPUTING, pp., 50-61, Malaysian Journal of Computer Science. DataAnalytics,HealthcareSystemsandFinTech Special Issue 1/2022

A. Thasil Mohamed, Sundar Santhoshkumar , Vijayakumar Varadarajan, INTELLIGENT DEEP LEARNING BASED PREDICTIVE MODEL FOR CORONARY HEART DISEASE AND CHRONIC KIDNEY DISEASE ON PEOPLE WITH DIABETES MELLITUS, pp., 88-101, Malaysian Journal of Computer Science. DataAnalytics,HealthcareSystemsandFinTech Special Issue 1/2022

M. Gokiladevi, Sundar Santhoshkumar , Vijayakumar Varadarajan, MACHINE LEARNING ALGORITHM SELECTION FOR CHRONIC KIDNEY DISEASE DIAGNOSIS AND CLASSIFICATION, pp., 102-115, Malaysian Journal of Computer Science. DataAnalytics,HealthcareSystemsandFinTech Special Issue 1/2022

Jagadeeswari V, Subramaniyaswamy V, Logesh R, Vijayakumar V,A study on medical Internet of Things and Big Data in personalized healthcare system, Health Information Science and Systems 6(1) 01 Dec 2018

Audithan S, Vijayasaro V, Vijayakumar P, Vijayakumar V, An efficient authentication scheme for mobile cloud computing services, Journal of Information Science and Engineering, 2017

Avishek Banerjee, Deepak Garg, Victor Das, Laxminarayan Sahoo, Ira Nath, Vijayakumar Varadarajan, Ketan Kotecha, Design of Energy Efficient WSN Using a Noble SMOWA Algorithm, CMC-COMPUTERS MATERIALS & CONTINUA, 2022

Umesh Kumar Lilhore, M. Poongodi,Amandeep Kaur,Sarita Simaiya,Abeer D. Algarni,Hela Elmannai ,V. Vijayakumar,Godwin Brown Tunze , Mounir Hamdi, Hybrid Model for Detection of Cervical Cancer Using Causal Analysis and Machine Learning Techniques, Computational and Mathematical Methods in Medicine , 2022

Prathibha Soma, B. Latha, V. Vijaykumar, "An Improved Multi-Objective Workflow Scheduling Using F-NSPSO with Fuzzy Rules", Springer-Journal: Wireless Personal Communications, 2022

Veeramuthu A, Meenakshi S, Mathivanan R, Ketan Kotecha, Dr. Jatinderkumar R. Saini, Vijayakumar Varadarajan, Subramaniyaswamy V, MRI Brain Tumor Image Classification using a Combined Feature and Image based Classifier (CFIC)", Journal: Frontiers in Psychology, section Human-Media Interaction, 2022

Garg, Dweepna, Priyanka Jain, Ketan Kotecha, Parth Goel, and Vijayakumar Varadarajan. 2022. "An Efficient Multi-Scale Anchor Box Approach to Detect Partial Faces from a Video Sequence" Big Data and Cognitive Computing 6, no. 1: 9.

Bakthavatchalam, K.; Karthik, B.; Thiruvengadam, V.; Muthal, S.; Jose, D.; Kotecha, K.; Varadarajan, V. IoT Framework for Measurement and Precision Agriculture: Predicting the Crop Using Machine Learning Algorithms. Technologies 2022, 10, 13.

Muniyappan A, Sundarappan B, Manoharan P, Hamdi M, Raahemifar K, Bourouis S, Varadarajan V. Stability and Numerical Solutions of Second Wave Mathematical Modeling on COVID-19 and Omicron Outbreak Strategy of Pandemic: Analytical and Error Analysis of Approximate Series Solutions by Using HPM. Mathematics. 2022; 10(3):343.

Swapna, M.; Viswanadhula,U.M.; Aluvalu, R.; Vardharajan, V.; Kotecha, K. Bio-Signals in Medical Applications and Challenges Using Artificial Intelligence. J. Sens.Actuator Netw. 2022, 11, 17.

V. Subramaniyaswamy,V. Jagadeeswari,V. Indragandhi,Rutvij H. Jhaveri ,V. Vijayakumar, Ketan Kotecha , and Logesh Ravi, "Somewhat Homomorphic Encryption: Ring Learning with Error Algorithm for Faster Encryption of IoT Sensor Signal-Based Edge Devices," Security and Communication Networks, vol. 2022, 10 pages, 2022.

Vijayakumar Varadarajan, Dweepna Garg, Ketan Kotecha, "An Efficient Deep Convolutional Neural Network Approach for Object Detection andRecognition Using a Multi-Scale Anchor Box in Real-Time", MDPI-Future Internet, 2021

Seng Hansun; Vincent Charles; Tatiana Gherman; Vijayakumar Varadarajan, "Hull-WEMA: a novel zero-lag approach in the moving average family, with an application to COVID-19", Inderscience-International Journal of Management and Decision Making, Vol.21, No.1, pp.92 - 112, 2022

Rajesh Kumar D,Vinothsaravanan R,M. Poongodi,Lalitha K,Mounir H,Ketan Kotecha,and V. Vijayakumar, "Random Forest Bagging and X-Means Clustered Antipattern Detection from SQL Query Log for Accessing Secure Mobile Data", Hindawi-Wireless Communications and Mobile Computing, 2021

Sudhakar Sengan,Subramaniyaswamy V,Rutvij H.,Vijayakumar Varadarajan,Roy Setiawan,Logesh Ravi, "A Secure Recommendation System for Providing Context-Aware Physical Activity Classification for Users", 2021, doi.org/10.1155/2021/4136909

Elakkiya, Jain Deepak Kumar, Kotecha Ketan, Pandya Sharnil, Reddy Sai Siddhartha, E. Rajalakshmi, Varadarajan Vijayakumar, Mahanti Aniket, V Subramaniyaswamy, "Hybrid Deep Neural Network for Handling Data Imbalance in Precursor MicroRNA", Journal: Frontiers in Public Health, section Digital Public Health, VOLUME=9,   2021

Sudhakar S, Ketan Kotecha *, Indragandhi V, Priya V, Vijayakumar V,Logesh Ravi, Subramaniyaswamy V, "Real-time automatic investigation of Indian roadway animals by 3D reconstruction detection using deep learning for R-3D-YOLOV3 image classification and filtering", MDPI-Electronics, 10(24), 3079, 2021

R Devika, Subramaniyaswamy Vairavasundaram, C Sakthi Jay Mahenthar, Vijayakumar Varadarajan, Ketan Kotecha, A Deep Learning Model Based on BERT and Sentence Transformer for Semantic Keyphrase Extraction on Big Social Data, Institute of Electrical and Electronics Engineers (IEEE) in IEEE Access, pp 1-1, 2021

Hridoy Jyoti Mahanta; Keshab Nath; Amit Kumar Roy; Ketan Kotecha; Vijayakumar Varadaranjan, "Using Genetic Algorithm in Inner Product to Resist Modular Exponentiation from Higher Order DPA Attacks", IEEE Access, 2021

Longzhi Yang, Vijayakumar Varadarajan, Tossapon Boongoen, Nitin Naik, "Special issue on emerging trends, challenges and applications in cloud computing", doi.org/10.1007/s11276-021-02840-7, Springer-Wireless Networks, 2021

Neelanarayanan, Vijayakumar V, Ron Doyle, Imad Fakhri Al-Shaikhli, Sven Groppe,"Special Issue on the Technologies and Applications of Big Data", Volume 27, issue 8, pp. 5425-5615, November 2021

Shruti Patil, Vijayakumar Varadarajan*,Devika Walimbe,Siddharth Gulechha,Sushant Shenoy,Aditya Raina, Ketan Kotecha, "Improving the Robustness of AI-Based Malware Detection Using Adversarial Machine Learning", MDPI-Algorithms 2021, 14(10), 297, doi.org/10.3390/a14100297

Sundar Santhoshkumar, Vijayakumar Varadarajan*, S. Gavaskar, J.Jegathesh Amalraj, A. Sumathi, "Machine Learning Model for Intracranial Hemorrhage Diagnosis and Classification", MDPI-Electronics 2021, 10, doi.org/10.3390/electronics10212574

Sheetal Kusal, Shruti Patil, Ketan Kotecha, Rajanikanth Aluvalu, Vijayakumar Varadarajan, "AI Based Emotion Detection for Textual Big Data: Techniques and Contribution", MDPI-Big Data and Cognitive Computing, 2021, 5(3), 43; doi.org/10.3390/bdcc5030043

Sumathi Amarnath, Meganathan Selvamani, Vijayakumar Varadarajan, "Prognosis Model for Gestational Diabetes Using Machine Learning Techniques", Sensors and Materials, Vol. 33, No. 9 (2021), 3011â€"3025, 2021

Mohammad Sajid,Jagendra Singh,Raza Abbas Haidri,Mukesh Prasad,Vijayakumar Varadarajan*, Ketan Kotecha, Deepak Garg, "A Novel Algorithm for Capacitated Vehicle Routing Problem for Smart Cities", MDPI-Symmetry 2021, 13, 1923, doi.org/10.3390/sym131019

Jayshree Pande, Paresh Nasikkar, Ketan Kotecha, Vijayakumar Varadarajan*, "A Review of Maximum Power Point Tracking Algorithms for Wind Energy Conversion Systems", MDPI-J. Mar. Sci. Eng.2021, 9, https://doi.org/10.3390/jmse9111187

Rajalakshmi Elangovan,Subramaniyaswamy Vairavasundaram,Vijayakumar Varadarajan,Logesh Ravi, "Location-based social network recommendations with computational intelligence-based similarity computation and user check-in behavior", WILEY-Concurrency and Computation: Practice and Experience (CCPE), 2021

KeshabNath, RamShanmugam, VijayakumarVaradaranjan, "ma-CODE: A multi-phase approach on community detection in evolving networks", Elsevier-Information Sciences Journal, Volume 569, PP 326-343, 2021

P. Supraja, Rijo Jackson Tom, Ravi Shekhar Tiwari, V. Vijayakumar & Yan Liu, "3D convolution neural network-based person identification using gait cycles", Springer-Evolving Systems Journal, 2021

Elakkiya R,Subramaniyaswamy V,Vijayakumar V,Aniket Mahanti, "Cervical Cancer Diagnostics Healthcare System Using Hybrid Object Detection Adversarial Networks", IEEE Journal of Biomedical and Health Informatics, 2021 doi: 10.1109/JBHI.2021.3094311.

Priya Varshini, Anitha Kumari and Vijayakumar Varadarajan*, "Estimating Software Development Efforts Using a Random Forest-Based Stacked Ensemble Approach", Vol 10, Issue 1195, MDPI-Electronics, 2021

Divya Guru, Supraja Perumal, Vijayakumar Varadarajan*, "Approaches towards Blockchain Innovation: A Survey and Future Directions", MDPI-Electronics, 2021

AshokKumar, Indragandhi, Selvamathi, V.Vijayakumar, LogeshRavi, Subramaniyaswamy, "Design, Power Quality Analysis, and Implementation of Smart Energy Meter using Internet of Things", Elsevier-Computers & Electrical Engineering, Volume 93, Issue 107203, 2021

Vitaliy Y, Sergei C, Nataliya Y, Vijayakumar Varadarajan, "Application of Neural Networks to Forecast Changes in the Technical Condition of Critical Production Facilities", Elsevier-Computers & Electrical Engineering, Volume 93, Issue 107225, 2021

Indragandhi ,Vijayakumar V, Pavankumar, Ramesh Kumar, Logesh Ravi, Subramaniyaswamy, "A Review on Small Power Rating PV Inverter Topologies and Smart PV Inverters", Vol 10, Issue 1296, MDPI-Electronics, 2021

S.B.Goyal, PradeepBedi, Jugnesh Kumar & Vijaykumar Varadarajan, "Deep learning application for sensing available spectrum for cognitive radio: An ECRNN approach", Springer-Peer-to-Peer Networking and Applications, 2021

Hemant K, Mumtaz Ali, Varadarajan Vijayakumar, Ashutosh Sharma, Rajiv Kumar, "Low Cost and Centimeter-Level Global Positioning System Accuracy Using Real-Time Kinematic Library and Real-Time Kinematic GPSA", Recent Advances in Computer Science and Communications, Volume 14 , Issue 2 , 2021

Poongodi M, Mohit Malviya, Mounir Hamdi,Vijayakumar V,Mazin Abed Mohammed,Hafiz Tayyab Rauf,Kawther A.Al-Dhlan, "5G Based Blockchain Network for Authentic and Ethical keyword search Engine" IET Communications, 2021

Siguang Chen, Li Yang, Chuanxin Zhao, Vijayakumar Varadarajan, Kun Wang., "Double-blockchain Assisted Secure and Anonymous Data Aggregation for Fog-enabled Smart Grid", Elsevier-Engineering Journal (IF 6.6), DOI: 10.1016/j.eng.2020.06.018, 2020

Gan Lin, Zhihua Guo, Fei Chao, Longzhi Yang, Xiang Chang, Chih-Min Lin, Changle Zhou, V. Vijayakumar, Changjing Shang., "Automatic stroke generation for style-oriented robotic Chinese calligraphy", Elsevier-Future Generation Computer Systems, 2021.

Vaiyapuri T, Binbusayyis A, Varadarajan V., "Security, Privacy and Trust in IoMT Enabled Smart Healthcare System: A Systematic Review of Current and Future Trends", International Journal of Advanced Computer Science and Applications, 2021.

Seng Hansun, Tatiana Gherman, Vijayakumar Varadarajan, V Charles, "Hull_WEMA: A Novel Zero_Lag Approach in the Moving Average Family, with an Application to COVID_19", IJMDM-Inderscience, 2021

Harriet Puvitha; Saravanan Palani; V. Vijayakumar; Logesh Ravi; V. Subramaniyaswamy, " Investigation of multi-objective optimisation techniques to minimise the localisation error in wireless sensor networks", Inderscience-International Journal of Grid and Utility Computing, Vol.12 No.1, pp.33 - 42, 2021

K.Mariyappan, N.Sivakumar, Sakthi Ganesh, Vijayakumar V, "A performance analysis study of MANETs routing protocols in FANETs networks environments", European Journal of Molecular & Clinical Medicine, Vol 7, Issue 10, pp. 3007-3020, 2021

Buddhadeb Pradhan, V. Vijayakumar, Sanjoy Pratihar, Deepak Kumar, K. Hemant Kumar Reddy, Diptendu Sinha Roy., "A genetic algorithm based energy efficient group paging approach for IoT over 5G", Elsevier-Journal of Systems Architecture (IF 2.6), DOI: 10.1016/j.sysarc.2020.101878, 2020

AnkitKumar, Vijayakumar Varadarajan, AbhishekKumar, PankajDadheech, Surendra Singh Choudhary, V.D.AmbethKumar, B.K.Panigrahi, Kalyana C.Veluvolu.,"Black hole attack detection in vehicular ad-hoc network using secure AODV routing algorithm", Elsevier-Microprocessors and Microsystems, 2020

Vijayakumar Varadarajan, Piet Kommers, Vincenzo Piuri and Subramaniyaswamy V.,"Recent trends, Challenges and Applications in Cognitive Computing for Intelligent Systems", IOS-Journal of Intelligent & Fuzzy Systems, vol. 39, no. 6, 2020

Palanisamy, R.,Mohana Sundram, K., Selvakumar, K., Boopathi, C.S.,Selvabharathi, D.,Vijayakumar, V., "Artificial Neural Network based SVPWM for Five Level Cascaded H-bridge Inverter fed Grid connected PV System", IOS Press-JIFS, DOI: 10.3233/JIFS-189163, 2020

Palanisamy, R.,Mohana Sundram, K.,Selvakumar, K.,Boopathi, C.S.,Selvabharathi, D.,Vijayakumar, V., "Artificial Neural Network based SVPWM for Five Level Cascaded H-bridge Inverter fed Grid connected PV System", IOS Press-JIFS, vol. 39, no. 6, pp. 8453-8462, 2020

Kamili Asra, Fatima Izat, Hassan Muzamil, Parah Shabir A, Vijaya Kumar V, Ambati L. S, "Embedding information reversibly in medical images for e-health", Journal of Intelligent & Fuzzy Systems, vol. 39, no. 6, pp. 8389-8398, 2020

Quadir, Md Abdul.,Christy Jackson, J.,Prassanna, J.,Sathyarajasekaran, K.,Kumar, K.,Sabireen, H.,Ubarhande, Shivam.,Vijaya Kumar, V., "Select this result for bulk action CiteAn efficient algorithm to detect DDoS amplification attacks", IOS Press- Journal of Intelligent & Fuzzy Systems, vol. 39, no. 6, pp. 8565-8572, 2020

Rajalakshmi E, Subramaniyaswamy V, Vijayakumar V, Logesh R, "Location‐ based social network recommendations with computational intelligence‐ based similarity computation and user check‐ in behavior", WILEY-Concurrency and Computation: Practice and Experience, doi.org/10.1002/cpe.6106, 2020

L. Ashok Kumar, B. Madhan Raj,V. Vijayakumar,V. Indragandhi,V. Subramaniyaswamy,Hamid.R. Karimi, Kalyana C. Veluvolu, "Analysis of Electric Motor Magnetic Core Loss under Axial Mechanical Stress", MDPI-Sensors, 20(23), 2020

Sudhakar S, Vijayakumar V, Sujatha K, Gunasekaran S, SathiyaKumar C, Saravanan P, Subramaniyaswamy V, "Investigation on Agricultural Land Selection using Hybrid Fuzzy Logic System", Scalable Computing: Practice and Experience, Vol 21, No 4, 2020

C.S.R. Prabhu, Tony Jan, Mukesh Prasad, Vijayakumar Varadarajan, "FOG ANALYTICS - A SURVEY", Malaysian Journal of Computer Science, pp. 140-151, 2020

R. Joshua Samuel Raj, M. Viju Prakash, T. Prince, K. Shankar, Vijayakumar Varadarajan, Fredi Nonyelu, "WEB BASED DATABASE SECURITY IN INTERNET OF THINGS USING FULLY HOMOMORPHIC ENCRYPTION AND DISCRETE BEE COLONY OPTIMIZATION", Malaysian Journal of Computer Science, pp. 1-14, 2020

E. Laxmi Lydia, G. Jose Moses, Vijayakumar Varadarajan, Fredi Nonyelu, Andino Maseleno, Eswaran Perumal, K. Shankar, "CLUSTERING AND INDEXING OF MULTIPLE DOCUMENTS USING FEATURE EXTRACTION THROUGH APACHE HADOOP ON BIG DATA", Malaysian Journal of Computer Science, pp. 108-123, 2020

Sebastian Å askawiec, MichaÅ, ChoraÅ›, RafaÅ, Kozik, Vijayakumar Varadarajan, "Intelligent operator: Machine learning based decision support and explainer for human operators and service providers in the fog, cloud and edge networks", Elsevier-Journal of Information Security and Applications, doi.org/10.1016/j.jisa.2020.102685, 2020

Christy Jackson Joshua, Vijayakumar Varadarajan, "An optimization framework for routing protocols in VANETs: a multi-objective firefly algorithm approach", Springer-Wireless Networks, doi.org/10.1007/s11276-019-02072-w

Poongodi, M., Varadarajan, V., Al-Turjman, F., Hamdi, M., Maode, M. (2020) "Intrusion Prevention System for DDoS Attack on VANET with reCAPTCHA Controller Using Information Based Metrics", IEEE Access, 7, pp. 158481-158491.

Chen S., Zheng Y., Lu W., Varadarajan, V., and Wang K. (2020) "Energy-optimal Dynamic Computation Offloading for Industrial IoT in Fog Computing", IEEE Transactions on Green Communications and Networking, (7), DOI: 10.4108/eai.13-7-2018.162689.

Alamelu, M. , Pradeep Kumar, T.S. , Vijayakumar, V.,"Fuzzy rule based SLA generation algorithms for web based multi party negotiation systems", IOS Press-JIFS, DOI: 10.3233/JIFS-189153, 2020

Latif, Ghazanfar , Alghazo, Jaafar , Maheswar, R. , Vijayakumar, V., Butt, Mohsin.,"Deep learning based intelligence cognitive vision drone for automatic plant diseases identification and spraying", IOS Press-JIFS, DOI: 10.3233/JIFS-189132, 2020

Thompson Stephan, Kushal Sharma, Achyut Shankar, S. Punitha, Vijayakumar Varadarajan, Peide Liu., "Fuzzy-Logic inspired Zone-Based Clustering Algorithm for Wireless Sensor Networks", Springer-International Journal of Fuzzy Systems, 2020

Sheezan Fayaz, Shabir A. Parah, Vijaya Kumar V.,"Underwater image restoration: A state of the art review", IET Image Processing, 2020

Subramaniyaswamy, V., Vijayakumar, V. , "An intelligent location recommender system utilizing multi-agent induced cognitive behavioural model", Taylor & Francis, Enterprise Information Systems, 2020

Christy, Jackson J , Rekha, D , Vijayakumar, V , Carvalho, Glaucio H.S.,"Optimal broadcast scheduling method for VANETs: An adaptive discrete firefly approach", IOS Press-JIFS, DOI: 10.3233/JIFS-189134, 2020

Karthikeyan, M.P. , Venkatesan, R. , Vijayakumar, V. , Ravi, Logesh , Subramaniyaswamy, V.,"White blood cell detection and classification using Eulerâ€™s Jenks optimized multinomial logistic neural networks", IOS Press-JIFS, DOI: 10.3233/JIFS-189152, 2020

Sudhakar S, Vijayakumar V, Sujatha Krishnamoorthy, Gunasekaran S, Sathiya Kumar C, Saravanan Palani, Subramaniyaswamy Vairavasundaram, "Investigation on Agricultural Land Selection using Hybrid Fuzzy Logic System", Scalable Computing: Practice and Experience, 21(3), 2020.

Senthilselvan, N. , Subramaniyaswamy, V. , Vijayakumar, V. , Karimi, Hamid Reza , Aswin, N. , Ravi, Logesh, "Distributed frequent subgraph mining on evolving graph using SPARK", IOS Press-JIFS, DOI: 10.3233/IDA-194601, 2020

Nath, Keshab , Dhanalakshmi, R , Vijayakumar, V. , Aremu, Bashiru , Kumar Reddy, K Hemant , Gao, Xiao-Zhi, "Uncovering hidden community structures in evolving networks based on neighborhood similarity", IOS Press-JIFS, DOI: 10.3233/JIFS-189150, 2020

Dayal, Ras Bihari , Vijayakumar, V. , Kushwaha, Rahul Chandra , Kumar, Abhishek , Ambeth Kumar, V. D. , Kumar, Ankit, "A cognitive model for adopting ITIL framework to improve IT services in Indian IT industries", IOS Press-JIFS, DOI: 10.3233/JIFS-189131, 2020

Stephan, Thompson , Rajappa, Ananthnarayan , Sendhil Kumar, K.S. , Gupta, Shivang , Shankar, Achyut , Vijayakumar, V., "Modified fuzzy-based greedy routing protocol for VANETs", IOS Press-JIFS, DOI: 10.3233/JIFS-189154, 2020

Wen-Jer Chang, Che-Lun Su, Vijayakumar Varadarajan. (2020) "Fuzzy Controller Design for Nonlinear Singular Systems with External Noises subject to passivity constraints", Wiley-Asian Journal of Control, 22.

R.Rajasing, Yash S.M, Shubham S.C, Indragandhi V, Vijayakumar V, Saravanan P, Subramaniyaswamy V. (2020) "IoT embedded cloud-based intelligent power quality monitoring system for industrial drive application", Elsevier-Future Generation Computer Systems, 112, pp. 884-898.

Poongodi, M., Hamdi, M., Vijayakumar V., Bharat S Rawal, Maode Ma. (2020) "An Effective Electronic waste management solution based on Blockchain Smart Contract in 5G Communities", IEEE 3rd 5G World Forum.

Arunkumar S, V. Subramaniyaswamy, Logesh R, V. Vijayakumar & V. Indragandhi. (2020) "Robust image steganography approach based on RIWT-Laplacian pyramid and histogram shifting using deep learning", Springer-Multimedia Systems, DOI https://doi.org/10.1007/s00530-020-00665-6

Indrajeet K, Chandradeep B, Kamred Udham S, Abhishek Kumar, V. Vijayakumar. (2020) "The state of the Art of Deep Learning Models in Medical Science and their Challenges", Springer-Multimedia Systems.

D. Kumar, D. S. Roy, K. H. K. Reddy, S. Pratihar, V. Vijayakuamr, B. Pradhan. (2020) "Energy Efficient Group Paging for Mobility and QoS constrained IoT over next generation LTE-A Pro - 5G NR rendezvous", Elsevier-Journal of Systems Architecture. (Under Final Review)

N. Kirn Kumar, V. Indra Gandhi, LogeshRavi, V. Vijayakumar, V. Subramaniyaswamy. (2020), "Improving Security for Wind Energy Systems in Smart Grid Applications using Digital Protection Technique", Elsevier-Sustainable Cities and Society, DOI: https://doi.org/10.1016/j.scs.2020.102265.

N. Sivaramakrishnan, V. Subramaniyaswamy, Amelec Viloria, V. Vijayakumar & N. Senthilselvan. (2020), "A deep learning-based hybrid model for recommendation generation and ranking", Springer-Neural Computing and Applications, DOI: https://doi.org/10.1007/s00521-020-04844-4.

Senthilselvan, N., Subramaniyaswamy, V., Vijayakumar, V., Karimi, Hamid Reza, Aswin, N., Ravi, Logesh., (2020), "Distributed frequent subgraph mining on evolving graph using SPARK", IOS- Intelligent Data Analysis, 24(3), pp. 495-513. DOI: 10.3233/IDA-194601.

V. Subramaniyaswamy, R. Logesh, D. Malathi, V. Vijayakumar, Hamid Reza Karimi, Marimuthu Karuppiah. (2020), "Effective user preference mining-based personalised movie recommendation system", Inderscience-International Journal of Computer Aided Engineering and Technology, 10.1504/IJCAET.2020.10029314.

V.N. Pranathy, V. Indragandhi, Kiran Sathyan, V. Vijayakumar, Ravi Logesh, V. Subramaniyaswamy. (2020) "Wireless power transfer with tuning capacitor compensation for electric vehicle applications", International Journal of Vehicle Information and Communication Systems.

V. Indragandhi, V. Subramaniyaswamy, R. Logesh, V. Vijayakumar, P. Manimekalai. (2020) "An overview of electric vehicle converter configurations, control methods and charging techniques", International Journal of Vehicle Information and Communication Systems.

Surendar Selvasubramaniam, Elangovan Mahadevan, Akshay Elangovan, Vijayakumar Varadarajan. (2020) "Effect of feature and sampling ratio on tool wear classification during boring operation using tree-based algorithms", International Journal of Vehicle Information and Communication Systems.

B. Durgalakshmi, V. Vijayakumar. (2020) "Feature selection and classification using support vector machine and decision tree", Wiley-Computational Intelligence, DOI: https://doi.org/10.1111/coin.12280.

Sivaramakrishnan N, Subramaniyaswamy V, Logesh Ravi, Vijayakumar V, Xiao-Zhi Gao, Rakshana Sri S L. (2020) "An Effective User Clustering-based Collaborative Filtering Recommender System with Grey-Wolf Optimization", International Journal of Bio-Inspired Computation.

M. Poongodi, V. Vijayakumar, Naveen Chilamkurti. (2020) "Bitcoin price prediction using ARIMA model", International Journal of Internet Technology and Secured Transactions, DOI:10.1504/IJITST.2020.10028982.

Abdul Qadir Md, Varadarajan Vijayakumar. (2020) "Combined Preference Ranking Algorithm for Comparing and Initial Ranking of Cloud Services", Recent Advances in Electrical & Electronic Engineering, 13(2), pp. 260 - 275. DOI:10.2174/1872212113666190215145330.

Associated Publications – Book/ Editorial/ Book Chapters

Filippo Neri, Ke-Lin Du, Vijaya Kumar Varadarajan, San-Blas Angel-Antonio, Zhiyu Jiang, 2022 3rd International Conference on Pattern Recognition and Machine Learning (PRML), IEEE Xplore digital library, Springer-Computer and Communication Engineering, ISBN 978-3-031-17422-3, https://link.springer.com/book/10.1007/978-3-031-17422-3

Shabir Ahmad Parah, Mamoon Rashid , Vijayakumar Varadarajan, "Artificial Intelligence for Innovative Healthcare Informatics", Springer 1st ed. 2022

Dr. Vijayakumar Varadarajan, Dr. Neelanarayanan Venkataraman, Dr. Praveen Rao and Dr. Imad Fakhri Al-Shaikhli, Special Issue on: Intelligent Transportation Systems for Smart Cities, Intelligent Transportation Systems for Smart Cities-Inderscience, Vol.7 No.1, 2022

Asik Ibrahim,E Rajalakshmi,V. Vijayakumar,R. Elakkiya,V. Subramaniyaswamy, "An Investigation on Personalized Point-of-Interest Recommender System for Location-Based Social Networks in Smart Cities", Springer-Data-Driven Mining, Learning and Analytics for Secured Smart Cities, pp 275-294, 2021

Logesh,R, Subramaniyaswamy.V, Vijayakumar.V, Rutvi.H, Shan.J., "Hybrid User Clustering-Based Travel Planning System for Personalized Point of Interest Recommendation", Springer-Advances in Intelligent Systems and Computing, 2021

Associated Publications – Conferences

Fang Z, Yang Y, Varadarajan V, Proceedings - 2021 International Conference on Computer Engineering and Artificial Intelligence, ICCEAI 2021, 2021, https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=9544249

Sreelekshmi C. Warrier, Terry Jacob Mathew, Vijayakumar Varadarajan, "Parametrised Hesitant Fuzzy Soft Multiset for Decision Making", 3rd INTERNATIONAL CONFERENCE ON DATA SCIENCE, COMPUTATION, SECURITY (IDSCS-2022)

S. K. U, S. P. Aanandhi, S. P. Akhilaa, V. Vardarajan and M. Sathiyanarayanan, "Cryptocurrency Price Prediction using Time Series Forecasting (ARIMA)," 2021 4th International Seminar on Research of Information Technology and Intelligent Systems (ISRITI), 2021, pp. 598-602, Indonesia

Poongodi M, Hamdi M, Varadarajan V, Rawal BS, Maode M., "Building an Authentic and Ethical Keyword Search by applying Decentralised (Blockchain) Verification", IEEE INFOCOM 2020 - IEEE Conference on Computer Communications Workshops

HarebaOmar Mohamed, Omar, SB Goyal, Vijayakumar Varadarajan, "Application of Sliding Window Deep Learning for Intrusion Detection in Fog Computing", ICETI 4.0, 2021

YahyeAdam Omar, SB Goyal, Vijayakumar Varadarajan,"Apply Blockchain Technology for Security of IoT Devices", ICETI 4.0, 2021

Alkomaisi Randa Muftah, Ali, SB Goyal, Vijayakumar Varadarajan,"Aspect Level Sentiment Analysis using Stacked AutoEncoder with Random Forest", ICETI 4.0, 2021

F Ferdaus, N Raghukiran, Vijaykumar and Karthikeyan, "Aerodynamic Performance Improvement by Streamlining The Front Fairing of a Racing Vehicle", IOP Conference Series: Materials Science and Engineering, Volume 1128, International Conference on Applications in Computational Engineering and Sciences (IConACES 2020)

Associated Patents

A REPUTATION BASED WEIGHTED CLUSTERING PROTOCOL IN VANET: A MULTI- OBJECTIVE FIREFLY APPROACH", 2022

EFFICIENT ALGORITHM FOR IDENTIFICATION AND CACHE BASED DISCOVERY OF CLOUD SERVICES, 2020

Combined Preference Ranking Algorithm for Comparing and Initial Ranking of Cloud Services, 2021 Reference:202141003744

Dynamic ranking of cloud services for web-based cloud communities: efficient algorithm for rating-based discovery and multi-level ranking of cloud services, 2021, Reference:202141003749

Associated Organizations for Internship

Télécom Paris, France

IEXPLOTECH, Malaysia

National Institute of Applied Sciences, France

San Jose State University, USA

UTT, France

Dalian University of Technology, China

Universitat de València, Spain

University of Granada, Spain

Universiteit Gent, Belgium

NASA, USA

IBM, USA

AITG, India

University of Memphis, USA

Danuon, Korea

Northambria University, UK

Appreciations/ Awards

Best Guest Editor Award-2021 from IJISC

Awarded with Linkedin Badge, Our K17 Green Team, UNSW

Silver Award, Green Impact 2020: Our K17 Green Team, UNSW

Top 13 Best Cloud Computing Book Award, Book Authority, 2020

Appreciations for One of the Cybersecurity Book Featured in New K-12 Online Learning E-Book Collection and Web Services, IGI Global, 2020

The European Alliance for Innovation Fellow

Financial/Technical Sponsorship

Sponsoring Final Year Pending Tuition Fees for one of the Gambia College Student through Global Students Nest (GSN), Sponsorer Dr. Raman Singh Ireland.

Technical Support, Global Students Nest, http://www.icepec.org/, 2022

(Sincere Hearty Thanks to All Kind of Global Contributors against COVID'19/20/21/22)

(WISH & PRAYERS FOR THE PEOPLE AFFECTED IN WAR TO COME BACK TO NORMAL SOON)

(THANK YOU FOR VISITING- YOU ARE MOST WELCOME AGAIN- REACH ME FOR COLLABORATIONS)

(Updated October 2022)