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| <i>Wannita Takerngsaksiri (Monash University, Australia), Cleshan Warusavitarnne (Monash University, Australia), Christian Yaacoub (Monash University, Australia), Matthew Hee Keng Hou (Monash University, Australia), and Chakkrit Tantithamthavorn (Monash University, Australia)</i> | |
| Extraction of Subjective Information from Large Language Models | 1612 |
| <i>Atsuya Kobayashi (Kogakuin University, Japan) and Saneyasu Yamaguchi (Kogakuin University, Japan)</i> | |
| Semantic Segmentation in Aerial Imagery: A Novel Approach for Urban Planning and Development | 1618 |
| <i>Pawan Chinnari (Mahindra University, India), Soumen Sinha (Mahindra University, India), Budonkayala Ishaa (KIIT, India), Neha Bharill (Mahindra University, India), and Om Prakash Patel (Mahindra University, India)</i> | |
| LiCAFeL-STC: A Lightweight Cluster-Based Federated Learning Framework for Sensor-Based Human Activity Recognition Using Unlabeled Data in Heterogeneous Wearable Devices | 1624 |
| <i>Tori Andika Bukit (Hankuk University of Foreign Studies, South Korea), Bernardo Nugroho Yahya (Hankuk University of Foreign Studies, South Korea), and Seok-Lyong Lee (Hankuk University of Foreign Studies, South Korea)</i> | |
| Noninvasive ML-Based BUN Prediction from Ten-Second Fingertip Video Using Generative AI .. | 1630 |
| <i>Parama Sridevi (Marquette University, USA), Kazi Zawad Arefin (Marquette University, USA), Dipranjan Das (Marquette University, USA), Rumi Ahmed Khan (University of Texas, USA), and Sheikh Iqbal Ahamed (Marquette University, USA)</i> | |
| ALRA: Adaptive Low-Rank Approximations for Neural Network Pruning | 1636 |
| <i>Soumen Sinha (Mahindra University, India) and Rajen Kumar Sinha (Indian Institute of Technology Guwahati, India)</i> | |
| Bat Algorithm for Attractor Reconstruction of Low-Dimensional Chaotic Maps from Time Series | 1642 |
| <i>Akemi Gálvez (University of Cantabria, Spain), Sara Pérez-Carabaza (University of Cantabria, Spain), and Andrés Iglesias (University of Cantabria, Spain)</i> | |
| Enhancing Team Diversity with Generative AI: A Novel Project Management Framework | 1648 |
| <i>Johnny Chan (University of Auckland) and Yuming Li (University of Auckland)</i> | |

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| FireSense: Integrating Deep Learning with ESP32 Microcontrollers for Enhanced Forest Fire Surveillance | 1653 |
| <i>Rohan Arunkumar (Dr. Ronald E. McNair Academic High School, USA) and Atul Dubey (AIClub Research Institute, USA)</i> | |
| Open-Source Text-to-Image Models: Evaluation Using Metrics and Human Perception | 1659 |
| <i>Aylin Yamac (Aalen University of Applied Sciences, Germany), Dilan Genc (Aalen University of Applied Sciences, Germany), Esra Zaman (Aalen University of Applied Sciences, Germany), Felix Gerschner (Aalen University of Applied Sciences, Germany), Marco Klaiber (Aalen University of Applied Sciences, Germany), and Andreas Theissler (Aalen University of Applied Sciences, Germany)</i> | |
| Federated Learning Framework for Collaborative Time Series Anomaly Detection on Distributed Machines | 1665 |
| <i>Ignatius Iwan (Hankuk University of Foreign Studies, South Korea), Tori Andika Bukit (Hankuk University of Foreign Studies, South Korea), Bernardo Nugroho Yahya (Hankuk University of Foreign Studies, South Korea), and Seok-Lyong Lee (Hankuk University of Foreign Studies, South Korea)</i> | |

AVKMT 2024: The 3rd IEEE International Workshop on Advanced Visual Knowledge Management Tools

Blockchain Nexus: Bridging Innovations and Standards for Tomorrow's Digital Frontier

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| Hybrid Consensus Networks for Scalable and Secure Internet of Vehicles | 1671 |
| <i>Mohammad Fardad (Dublin City University, Ireland), Elham Mohammadzadeh Mianji (Dublin City University, Ireland), Gabriel-Miro Muntean (Dublin City University, Ireland), and Irina Tal (Dublin City University, Ireland)</i> | |
| Distributed Ledger Technology as a Tool for Voluntary Standardization Compliance in Emerging Technologies: A Legal View | 1677 |
| <i>Dimitar Kyosev (Alis Grave Nil, Bulgaria)</i> | |
| Secure and Decentralized Collaboration in Oncology: A Blockchain Approach to Tumor Segmentation | 1681 |
| <i>Ramin Ranjbarzadeh (Dublin City University, Ireland), Ayse Keles (Ankara Medipol University, Türkiye), Martin Crane (Dublin City University, Ireland), Shokofeh Anari (Islamic Azad University, Iran), and Malika Bendeche (University of Galway, Ireland)</i> | |
| Geopolitical Manoeuvring in Blockchain Standardization: A Comparative Analysis of the EU and U.S. Approaches | 1687 |
| <i>Ruo Chen Qi (University of Glasgow, United Kingdom) and Dong-Hyu Kim (University of Glasgow, United Kingdom)</i> | |

CDS 2024: The 12th IEEE International Workshop on Consumer Devices, Systems and Services

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| MemFlex: A Hybrid Memory System to Boost Cost of Ownership in Data Centers | 1693 |
| <i>Chandranil Chakrabortii (Trinity College, Connecticut) and Mohammad Maminur Islam (Trinity College, Connecticut)</i> | |
| Stationary Human Detection Method Using 2D LiDAR | 1699 |
| <i>Haruki Mochizuki (Graduate School of Kanagawa Institute of Technology, Japan) and Ryoza Kiyohara (Kanagawa Institute of Technology, Japan)</i> | |
| Interaction in Virtual Environments Using Smartwatches: A Comparative Usability Study between Continuous Gesture Recognition and MDDTW | 1705 |
| <i>Murillo Castro (Instituto Federal Goiano, Brazil), Pedro Gomes (Instituto Federal Goiano, Brazil), Fabrizzio Soares (Universidade Federal de Goiás, Brazil), Luciana Cardoso (Instituto Federal Goiano, Brazil), Renan Aranha (renan.aranha@ufmt.br), and Thamer Nascimento (Instituto Federal Goiano, Brazil)</i> | |
| Enhancing Road Safety Through Cost-Effective, Real-Time Monitoring of Driver Awareness with Resource-Constrained IoT Devices | 1711 |
| <i>Ahmed Imteaj (Southern Illinois University, USA; Security, Privacy and Intelligence for Edge Devices Laboratory (SPEED Lab)), Tanveer Rahman (Dingi Technologies Limited, Bangladesh), Saika Zaman (Southern Illinois University, USA; Security, Privacy and Intelligence for Edge Devices Laboratory (SPEED Lab)), Zarif Hossain (Southern Illinois University, USA; Security, Privacy and Intelligence for Edge Devices Laboratory (SPEED Lab)), and Abdur R. Shahid (Southern Illinois University, USA)</i> | |
| Computer-Assisted English Presentation Learning System Based on Word Stress in Pronunciation | 1721 |
| <i>Yugo Tagami (Kogakuin University), Takako Kojima (Tokyo Medical University), and Saneyasu Yamaguchi (Kogakuin University)</i> | |
| A Safe Vehicle Routing System Based on Road Characteristics from Telematics Data | 1726 |
| <i>Hiroshi Tei (University of Fukui, Japan), Tomoya Kawakami (University of Fukui, Japan), and Yoshimi Kawamoto (University of Fukui, Japan)</i> | |
| Feasibility Assessment of Denial-of-Service Attacks by Analyzing SOME/IP-SD State Transition Models | 1732 |
| <i>Kazuki Iehira (Kyoto Sangyo University, Japan) and Hiroyuki Inoue (Kyoto Sangyo University, Japan)</i> | |

DADA 2024: The 6th IEEE International Workshop on Deep Analysis of Data-Driven Applications

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| The Accuracy of Domain Specific and Descriptive Analysis Generated by Large Language Models | 1739 |
| <i>Denish Omondi Otieno (Texas Tech University), Faranak Abri (San Jose State University), Sima Siami-Namini (Johns Hopkins University), and Akbar Siami Namin (Texas Tech University)</i> | |

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| Deep Learning Empowered High Accuracy and Low Complexity Indoor Channel Prediction for Wireless Communication Systems | 1747 |
| <i>Rong-Terng Juang (National Taipei University of Technology, Taiwan), Tong-Wen Wang (Feng Chia University, Taiwan), Jun-Xiang Cao (Feng Chia University, Taiwan), Hsin-Piao Lin (National Taipei University of Technology, Taiwan), and Ding-Bing Lin (National Taiwan University of Science and Technology, Taiwan)</i> | |
| Neural Network Fuzzy Electricity Demand Forecasts Based on Fuzzy Inputs | 1752 |
| <i>Sulalitha Bowala (University of Manitoba, Canada), Erfanul Hoque (Thompson Rivers University, Canada), Aerambamoorthy Thavaneswaran (University of Manitoba, Canada), Ruppa Thulasiram (University of Manitoba, Canada), and Srimantoorao Appadoo (University of Manitoba, Canada)</i> | |
| Application of a Novel Fuzzy Pattern Mining Algorithm for Sequence Data | 1758 |
| <i>Thimani Ranathungage (University of Manitoba, Canada), Sulalitha Bowala (University of Manitoba, Canada), Erfanul Hoque (Thompson Rivers University, Canada), Aerambamoorthy Thavaneswaran (University of Manitoba, Canada), and Ruppa Thulasiram (University of Manitoba, Canada)</i> | |
| Relative Performance Prediction Using Few-Shot Learning | 1764 |
| <i>Arunavo Dey (Texas State University), Aakash Dhakal (Texas State University), Tanzima Z. Islam (Texas State University), Jae-Seung Yeom (Lawrence Livermore National Laboratory), Tapasya Patki (Lawrence Livermore National Laboratory), Daniel Nichols (University of Maryland), Alexander Moosesyan (University of Maryland), and Abhinav Bhatele (University of Maryland)</i> | |
| Audio Classification with Semi-Supervised Contrastive Loss and Consistency Regularization | 1770 |
| <i>Juan-Wei Xu (National Kaohsiung Normal University) and Yi-Ren Yeh (National Kaohsiung Normal University)</i> | |
| Analyzing the Characteristics of Ego-Network Structures of Influential Twitter Users | 1776 |
| <i>Yuto Nakamitsu (University of Tsukuba, Japan), Sho Tsugawa (University of Tsukuba, Japan), Keiichiro Tsukamoto (Kadokawa Connected Inc., Japan), and Shintaro Igari (Kadokawa Connected Inc., Japan)</i> | |
| Maintaining Performance of a Machine Learning System Against Imperfect Retraining | 1782 |
| <i>Zhengji Wang (University of Tsukuba, Japan) and Fumio Machida (University of Tsukuba, Japan)</i> | |

DBDM 2024: The 9th IEEE International Workshop on Distributed Big Data Management

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| A Location Analytics Algorithm to Analyze Geographic and Demographic Data for Restaurant Analytics | 1788 |
| <i>Chang Geng (University of Manitoba, Canada), Griffin LaFreniere (University of Manitoba, Canada), Huy Khanh Le (University of Manitoba, Canada), Carson K. Leung (University of Manitoba, Canada), Quinn Chao Wong (University of Manitoba, Canada), and Alfredo Cuzzocrea (University of Calabria, Italy)</i> | |

A Sharded Blockchain Architecture for Healthcare Data 1794
Jahan Zeb Shahid (Università degli Studi di Milano, Italy; Università degli Studi di Camerino, Italy), Stelvio Cimato (Università degli Studi di Milano, Italy), and Zia Muhammad (North Dakota State University, Italy)

An Environmental Data Science Solution for Traffic and air Quality Analysis 1800
Garik Avagyan (University of Manitoba, Canada), Juan C. Armijos (University of Manitoba, Canada), Carson K. Leung (University of Manitoba, Canada), Jasmine J. Tabuzo (University of Manitoba, Canada), Aivee F. Teodocio (University of Manitoba, Canada), and Alfredo Cuzzocrea (University of Calabria, Italy)

DDS-BDAF 2024: The 4th IEEE International Workshop on Dynamic Data Science and Big Data Analytics in Finance and DT4Meta 2024: The 2nd IEEE International Workshop on Digital Twins for the Metaverse

Synchronous set-Based Particle Swarm Optimization: Heuristics for Portfolio Optimization 1806
Ashish Lakhmani (University of Manitoba, Canada), Rupa K Thulasiram (University of Manitoba, Canada), and Parimala Thulasiraman (University of Manitoba, Canada)

Novel Non-Linear Adaptive Fuzzy Adjacency Matrices for Financial Volatility Network Models.. 1813
Avanthi Saumyamala (University of Manitoba, Canada), Sulalitha Bowala (University of Manitoba, Canada), You Liang (Toronto Metropolitan University, Canada), Shanika Basnayake (University of Manitoba, Canada), Aerambamoorthy Thavaneswaran (University of Manitoba, Canada), and Rupa Thulasiram (University of Manitoba, Canada)

Visualization of Crowd Contamination Simulations Using Immersive Virtual Reality 1819
Vinicius Chrisosthenos Teixeira (Pontifical Catholic University of Rio Grande do Sul, Brazil), Gabriel Fonseca Silva (Pontifical Catholic University of Rio Grande do Sul, Brazil), Isabel H. Manssour (Pontifical Catholic University of Rio Grande do Sul, Brazil), Soraia H. Musse (Pontifical Catholic University of Rio Grande do Sul, Brazil), and Márcio S. Pinho (Pontifical Catholic University of Rio Grande do Sul, Brazil)

DICAR 2024: The 1st IEEE International Workshop on Digital Cardiology

Transferring Knowledge from 12-Lead to 1-Lead ECGs via Contrastive Learning 1825
Sergey Skorik (ISP RAS, Russia), Aram Avetisyan (ISP RAS, Russia), Ekaterina Diatlinko (ISP RAS, Russia), Renata Mindiiarova (ISP RAS, Russia), and Yury Markin (ISP RAS, Russia)

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| Using Echocardiography and AI to Predict Cardiac Biological Age | 1831 |
| <i>Anastasia A. Kobelyatskaya (Pirogov Russian National Research Medical University, Russia; Russian Academy of Sciences, Russia), Zulfiya G. Guvatova (Russian Academy of Sciences, Russia), Olga N. Tkacheva (Pirogov Russian National Research Medical University, Russia), Fedor I. Isaev (Kivach Clinic, Russia), Anastasiia L. Kungurtseva (I.M. Sechenov First Moscow State Medical University, Russia), Alisa V. Vitebskaya (I.M. Sechenov First Moscow State Medical University, Russia), Ekaterina V. Plokhova (Federal Scientific and Clinical Center, Federal Medico-Biological Agency, Russia), Lubov V. Machekhina (Pirogov Russian National Research Medical University, Russia), Irina D. Strazhesko (Pirogov Russian National Research Medical University, Russia), and Alexey A. Moskalev (Pirogov Russian National Research Medical University, Russia; Russian Academy of Sciences, Russia; Institute of biogerontology of Lobachevsky State University, Russia; Center of AI in medicine of Lobachevsky State University, Russia)</i> | |
| A Comparative Study of Classical and Quantum Algorithms for Heart Disease Prediction Using Patients' Vital Signs | 1835 |
| <i>Paramita Basak Upama (Marquette University, USA), Parama Sridevi (Marquette University, USA), Masud Rabbani (Marquette University, USA), Mohammad Syam (Georgia Cancer Center, Augusta University, USA), Abul Hasan Muhammad Bashar (National Institute of Cardiovascular Diseases & Hospital (NICVD), Bangladesh), Rubaiyat Hossain Mondal (IICT, Bangladesh University of Engineering and Technology (BUET), Bangladesh), Rumi Ahmed Khan (University of Texas, USA), and Sheikh Iqbal Ahamed (Marquette University, USA)</i> | |
| E-SMOTE: Entropy Based Minority Oversampling for Heart Failure and AIDS Clinical Trails Analysis | 1841 |
| <i>Sainath Veerla (San Jose State University, USA), Anbu Valluvan Devadasan (San Jose State University, USA), Mohammad Masum (San Jose State University, USA), Mohammed Chowdhury (Western Illinois University, USA), and Hossain Shahriar (University of West Florida, USA)</i> | |
| Cardiac age Estimation Using Genetic and Sphygmographic Data | 1847 |
| <i>Mikhail Ivanchenko (Institute of Biogerontology, Lobachevsky State University, Russia), Elena Kondakova (Institute of Biogerontology, Lobachevsky State University, Russia), Igor Yusipov (Institute of Biogerontology, Lobachevsky State University, Russia), and Alena Kalyakulina (Institute of Biogerontology, Lobachevsky State University, Russia)</i> | |
| Breaking Barriers in Stress Detection: An Inter-Subject Approach Using ECG Signals | 1850 |
| <i>Shahane Tigranyan (Russian - Armenian University, Armenia) and Arman Martirosyan (Russian - Armenian University, Armenia)</i> | |
| Explaining Health Risk Behaviors in the U.S. with Social Deprivation at Local and Regional Levels | 1856 |
| <i>Swapna S. Gokhale (University of Connecticut, USA), Viswadeep Lebakula (Oak Ridge National Laboratory, USA), and Alina Peluso (Oak Ridge National Laboratory, USA)</i> | |

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| A Screening Method for Left Ventricular Systolic Dysfunction by Single-Channel Electrocardiogram Using Machine Learning Algorithms | 1865 |
| <i>Natalia Kuznetsova (I.M. Sechenov First Moscow State Medical University, Russia), Petr Chomakhidze (I.M. Sechenov First Moscow State Medical University, Russia), Philippe Kopylov (I.M. Sechenov First Moscow State Medical University, Russia), and Alezandr Suvorov (I.M. Sechenov First Moscow State Medical University, Russia)</i> | |
| Application of Artificial Intelligence Technology to Prevent Sudden Cardiac Death | 1868 |
| <i>Elena Godunova (Rehabilitation Center "Barvikha", Russia) and Sergei Prokhorov (Ioannikov Institute for System Programming RAS, Russia)</i> | |

DIGI-HEALTH 2024: The 2nd IEEE International Workshop on Digital and Public Health

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| Enhancing Mental Health Care with the Kalman Filter: Predictions, Monitoring, and Personalization | 1872 |
| <i>Syed Azizur Rahman (University of Sharjah, UAE), Khaled Obaideen (Smart Automation and Communication Technologies, UAE), Mohammad AlShabi (University of Sharjah, UAE), Nabeel Al-Yateem (University of Sharjah, UAE), and Farhana H. Zulkernin (Queen's University)</i> | |
| Exploring New Digital Health-Care Frontiers: Ingenuity and Vision from Saudi Arabia in Establishing a National Military Health Control and Command Centre | 1880 |
| <i>Manal bint Abdullah Aladaili (Medical Military Services, Saudi Arabia) and Richard Mottershead (College of Health Sciences, University of Sharjah, UAE)</i> | |
| Exploring New Horizons in Dental Education: Leveraging AI and the Metaverse for Innovative Learning Strategies | 1881 |
| <i>Amina Almarzouqi (University of Sharjah, UAE), Anissa Bettayeb (University of Sharjah, UAE), Syed Azizur Rahman (University of Sharjah, UAE), Said Salloum (University of Sharjah, UAE), and Nabeel Al-Yateem (University of Sharjah, UAE)</i> | |
| Revolutionizing Healthcare Management: Architecture of a Web-Based Medical Triage Service ... | 1887 |
| <i>Ahmed Harby (Queens University, Canada), Eyad ElKhodary (Queens University, Canada), Ronan Almeida (Queens University, Canada), Drishti Sharma (Queens University, Canada), Farhana Zulkernine (Queens University, Canada), Furkan Alaca (Queens University, Canada), Khalid Elgazzar (Ontario Tech University, Canada), Amina Almarzouqi (University of Sharjah, United Arab Emirates), Nabeel Al-Yateem (University of Sharjah, United Arab Emirates), and Syed Aziz Rahman (University of Sharjah, United Arab Emirates)</i> | |
| Optimization of Electronic Health Record Through Local & International Standards: A Case from United Arab Emirates | 1895 |
| <i>Al Ounoud Al Marzouqi (University of Sharjah, United Arab Emirates)</i> | |

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| Assist-Bot: A Voice-Enabled Assistant for Seniors | 1901 |
| <i>Yuhao Chen (School of Computing; Queen's University, Canada), Jiahao Cai (School of Computing; Queen's University, Canada), Siyu Chen (School of Computing; Queen's University, Canada), Farhana Zulkernine (School of Computing; Queen's University, Canada), Nauman Jaffar (MarkiTech, Canada), Amina Almarzouqi (College of Health Sciences; University of Sharjah, United Arab Emirates), Nabeel Al-Yateem (College of Health Sciences; University of Sharjah, United Arab Emirates), and Syed Aziz Rahman (College of Health Sciences; University of Sharjah, United Arab Emirates)</i> | |
| Factors Influencing Public Trust in Emergency Health Helplines in Bangladesh | 1907 |
| <i>Islam Mohammad Aminul (University of Liberal Arts Bangladesh, Bangladesh) and Ahmed Hossain (University of Sharjah, University City, United Arab Emirates)</i> | |
| Implementing Electronic Medical Record (EMR) Technology in Hospital Setting: A Qualitative Study | 1913 |
| <i>Muhammad Arsyad Subu (University of Sharjah, UAE; Universitas Binawan, Indonesia), Aan Sutandi (Universitas Binawan, Indonesia), Nabeel Al Yateem (University of Sharjah, UAE), Zakiyah Zakiyah (Universitas Binawan, Indonesia), Aliana Dewi (Universitas Binawan, Indonesia), Richard Mottershead (University of Sharjah, UAE), Erika Lubis (Universitas Binawan, Indonesia), Mohammad Al-Shabi (University of Sharjah, UAE), Maryuni Maryuni (Universitas Binawan, Indonesia), Sari Narulita (Universitas Binawan, Indonesia), Fatma Refaat Ahmed (University of Sharjah, UAE), Henny Suzana Mediani (Universitas Padjadjaran, Indonesia), Syed Azizur Rahman (University of Sharjah, UAE), and Mochamad Robby Fajar Cahya (Universitas Binawan, Indonesia)</i> | |
| An Exploration of E-Puskesmas Technology Application in Indonesian Public Health Centers: A Qualitative Study | 1920 |
| <i>Muhammad Arsyad Subu (Universitas Binawan, Indonesia), Jacqueline Maria Dias (University of Sharjah, UAE), Fatma Refaat Ahmed (University of Sharjah, UAE), Widanarti Setyaningsih (Universitas Binawan, Indonesia), Richard Mottershead (University of Sharjah, UAE), Syed Azizur Rahman (University of Sharjah, UAE), Sari Narulita (Universitas Binawan, Indonesia), Mohammad Alshabi (University of Sharjah, UAE), Aliana Dewi (Universitas Binawan, Indonesia), Aan Sutandi (Universitas Binawan, Indonesia), Zakiyah Zakiyah (Universitas Binawan, Indonesia), Henny Suzana Mediani (Universitas Padjadjaran, Indonesia), Maryuni Maryuni (Universitas Binawan, Indonesia), Ulfah Nuraeni Karim (Universitas Binawan, Indonesia), and Nabeel Al Yateem (Universitas Binawan, Indonesia)</i> | |

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| Health Sciences Students and Educators Experience with Using ChatGPT | 1926 |
| <i>Fatma Refaat Ahmed (University of Sharjah, UAE), Nabeel Al-Yateem (University of Sharjah, UAE), Esraa Rushdan (Alexandria University, Egypt), Ahmad Rajeh Saifan (Applied Science Private University, Jordan), Syed Rahman (University of Sharjah, UAE), Richard Mottershead (University of Sharjah, UAE), Heba Hijazi (University of Sharjah, UAE), Muhammad Arsyad Subu (University of Sharjah, UAE), Wegdan Bani-Issa (University of Sharjah, UAE), Jacqueline Maria Dias (University of Sharjah, UAE), and Mohammad Eid Aburuz (Applied Science Private University, Jordan)</i> | |
| Assessing the Efficacy of Telephone Telemedicine in Enhancing Follow-up Visits for non-Adherence Hypertensive Patients: A Cross-Sectional Study in Northern Bangladesh | 1929 |
| <i>Ahmed Hossain (University of Sharjah, United Arab Emirates), Mohammad Zakir Hossain (Rangpur Hypertension and Research Center, Bangladesh), Mohammad Anwar Hossain (Rangpur Hypertension and Research Center, Bangladesh), Syed Azizur Rahman (University of Sharjah, United Arab Emirates), Heba Hesham Ali Hijazi (University of Sharjah, United Arab Emirates), Mohamad Alameddine (University of Sharjah, United Arab Emirates), and Amina Al-Marzouqi (University of Sharjah, United Arab Emirates)</i> | |
| Advancements in Multimodal Social Media Post Summarization: Integrating GPT-4 for Enhanced Understanding | 1934 |
| <i>Jahangir Alam (Southern Illinois University, USA), Ismail Hossain (Southern Illinois University, USA), Sai Puppala (Southern Illinois University, USA), and Sajedul Talukder (Southern Illinois University, USA)</i> | |
| Nurses' Perceptions About Champs Tool Trials In The Pediatric Ward | 1941 |
| <i>Siswani Marianna (Universitas Binawan, Indonesia), Yoanita Hijriyati (Universitas Binawan, Indonesia), Handayani Handayani (Universitas Binawan, Indonesia), Muhammad Arsyad Subu (University of Sharjah, UAE; Universitas Binawan, Indonesia), Mochamad Robby Fajar Cahya (Universitas Binawan, Indonesia), Widanarti Setyaningsih (Universitas Binawan, Indonesia), Nabeel Al-Yateem (University of Sharjah, UAE), Maryuni Maryuni (Universitas Binawan, Indonesia), Ananda Tio Panggabean (Universitas Binawan, Indonesia), Richard Mottershead (University of Sharjah, UAE), Fatma Refaat Ahmed (University of Sharjah, UAE), Sari Narulita (Universitas Binawan, Indonesia), Agung Setiadi (Universitas Binawan, Indonesia), Syed Azizur Rahman (University of Sharjah, UAE), and Mohammad Al-Shabi (University of Sharjah, UAE)</i> | |

DSAIH 2024: The 1st IEEE International Workshop on Data Science and Artificial Intelligence in Healthcare

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| SCAN: A HealthCare Personalized ChatBot with Federated Learning Based GPT | 1945 |
| <i>Sai Puppala (Southern Illinois University, USA), Ismail Hossain (Southern Illinois University, USA), Jahangir Alam (Southern Illinois University, USA), and Sajedul Talukder (Southern Illinois University, USA)</i> | |

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| Automatic Structuring of Radiology Reports of Chest X-ray Images Using Large Language Model | 1952 |
| <i>Mizuho Nishio (Kobe University, Japan), Hidetoshi Matsuo (Kobe University, Japan), and Takaaki Matsunaga (Kobe University, Japan)</i> | |
| On the use of Gaussian Process Regression and Multiple Imputation in Cox Regression Models with Time-Dependent Covariates | 1955 |
| <i>Kenta Tanaka (Shiga University, Japan) and Tomoyuki Sugimoto (Osaka University, Japan)</i> | |
| Research on the Efficiency of Operating Room Management Through Numerical Optimization and Matters to be Considered in the Process | 1961 |
| <i>Tatsuki Onishi (Shiga University, Japan) and Casanova Carlos (National Technological University, Argentina)</i> | |
| MamT4: Multi-view Attention Networks for Mammography Cancer Classification | 1965 |
| <i>Alisher Ibragimov (ISP RAS, Russia), Sofya Senotrusova (ISP RAS, Russia), Arsenii Litvinov (ISP RAS, Russia), Egor Ushakov (ISP RAS, Russia), Evgeny Karpulevich (ISP RAS, Russia), and Yury Markin (ISP RAS, Russia)</i> | |
| Similar Mask Retrieval with Contrastive Learning for Single Domain Generalization in Medical Imaging | 1971 |
| <i>Izumi Ogura (Shiga University, Japan) and Chisako Muramatsu (Shiga University, Japan)</i> | |
| Statistical Review of Regulatory Requirements for AI Diagnosis | 1975 |
| <i>Naoki Ishizuka (Kyoto University, Japan)</i> | |
| Multiview Machine Learning Classification of Tooth Extraction in Orthodontics Using Intraoral Scans | 1977 |
| <i>Carlos Falcão de Azevedo Gomes (Pontifical Catholic University of Rio Grande do Sul, Brazil), Adriel Silva de Araújo (Pontifical Catholic University of Rio Grande do Sul, Brazil), Sunna Imtiaz Ahmad (Indiana University, USA), Maurício Cecílio Magnaguagno (Pontifical Catholic University of Rio Grande do Sul, Brazil), Vinicius Crisosthenos Teixeira (Pontifical Catholic University of Rio Grande do Sul, Brazil), Anushri Singh Rajapuri (Indiana University, USA), Quinn Roederer (Indiana University, USA), Dalvan Griebler (Pontifical Catholic University of Rio Grande do Sul, Brazil), Vinicius Dutra (Indiana University, USA), Hakan Turkkahraman (Indiana University, USA), and Márcio Sarroglia Pinho (Pontifical Catholic University of Rio Grande do Sul, Brazil)</i> | |
| Three-Branch Molecular Representation Learning Framework for Predicting Molecular Properties in Drug Discovery | 1983 |
| <i>Yu Liu (University of Nottingham Ningbo China), Lihui Duo (University of Nottingham Ningbo China), Jonathan D. Hirst (University of Nottingham), Jianfeng Ren (University of Nottingham Ningbo China), Bencan Tang (University of Nottingham Ningbo China), and Dave Towey (University of Nottingham Ningbo China)</i> | |
| Early Recurrence Detection of Invasive Ductal Carcinoma Utilizing High-Dimensional Genomic Data | 1990 |
| <i>Rohan Kaushikan (Menlo-Atherton, United States)</i> | |

Efficient Pooling Designs and Screening Performance in Group Testing for Two Types of Defectives 1996
Hiroyasu Matsushima (Shiga University, Japan), Yusuke Tajima (Shiga University, Japan), Xiao-Nan Lu (Gihu University, Japan), and Masakazu Jimbo (The Institute of Statistical Mathematics, Japan)

Machine Learning-Based Early Detection and Intervention for Mental Health Issues in Children 2001
Sriteja Kataru (The Harker School, USA), Kathleen King (Healthier Kids Foundation, USA), and Lachin Fernando (AIClub Research Institute, USA)

DSML 2024: The 2nd IEEE International Workshop on Data Science & Machine Learning for Cybersecurity, IoT & Digital Forensics

Improving Insurance Fraud Detection with Generated Data 2008
Kiet Ha (Trinity College, USA), Lucas Stowe (Trinity College, USA), and Chandranil Chakrabortii (Trinity College, USA)

A Blind Color Image Watermarking for Grayscale Watermark Based on Tensor Decomposition ... 2014
Kaito Hosono (Kanagawa University, Japan), Tetsuya Morizumi (Kanagawa University, Japan), Hirotsugu Kinoshita (Kanagawa University, Japan), and Sumiko Miyata (Tokyo Institute of Technology, Japan)

eHealth-IoT 2024: The 1st IEEE International Workshop on e-Health Systems & IoT Technologies and ICT4SmartGrid 2024: The 4th IEEE International Workshop on Rising ICT Solutions for Smart Grids as Multi-energy Systems

Employee Perceptions of Privacy and Data Control in Workplace Wellness e-Health Programs 2020
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