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Associate Editors

Haider Abbas

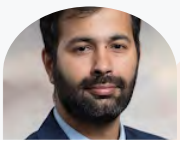
National University of Sciences and Technology (NUST), Pakistan

Information Assurance and Governance, Healthcare Data Security and Privacy, Cyber Physical System (CPS) Security, Cloud-Assisted Internet of Things (IoTs) Security, Wireless Body Area Networks (WBAN) Security.

Mainak Adhikari

Indian Institute of Science Education and Research Thiruvananthapuram, Kerala, India

Remote Healthcare Analytics, Smart Health Management, Real-time Data Analytics, Drug Discovery and Medical Data Processing using AI/ML techniques, Cloud/Serverless/Edge/Fog Computing for Healthcare, Machine/Deep Learning models for Early Disease Prediction, Distributed Machine Learning (Distributed Learning, Collaborative Learning, Federated Learning, Gossip Learning), TinyML, Transfer Learning, Explainable AI for Healthcare Informatics



Sensor and Ad hoc Networks, Cyber-Physical Systems, Future Internet, Internet of Medical Things, Artificial Intelligence in Medical Field, Machine Learning Algorithms for Medical

Ahmed
California State University, Fullerton, USA

Mannini Andrea
IRCCS Fondazione Don Carlo Gnocchi, Italy

Machine Learning (data and signals), Clinical outcome prediction (neurorehabilitation), Clinical decision support systems (neurorehabilitation), Wearable inertial sensors

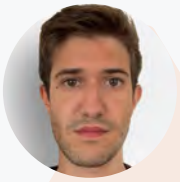
Amira S. Ashour
Electronics and Electrical Communications Engineering Department, Faculty of Engineering, Tanta University, Egypt

Biomedical Engineering, Medical Devices, Biomedical Sensors, Ablation Therapy, Computer-aided Diagnosis Systems, Medical Imaging, Medical Image Analysis, Machine Learning, AI-Assisted Healthcare, Simulation and Modeling, Optimization Algorithms, Neutrosophic Theory, Smart Antenna, Target Tracking, and Direction of Arrival Estimation.

Anca Bucur

Philips Research, Precision and Decentralized Diagnostics Department, The Netherlands

Clinical research informatics, clinical decision support, clinical pathways and clinical workflow optimization, healthcare information management, interoperability.



Alessio Burrello

Assistant Professor at Politecnico di Torino, Italy

Neural Architecture Search, Embedded Systems, AI Deployment, PPG, sEMG, EEG, iEEG, Biosignal Processing, Embedded AI, Deep Learning.

Barbara Di Camillo

Department of Information Engineering, University of Padova, Italy

Bioinformatics, Systems Biology, Predictive Modeling, Biological Networks, Machine Learning

Wearable biomedical Sensors, Medical intelligent diagnosis, Neurodegenerative diseases, Robot-aided diagnosis systems, Gait modeling and dynamics, Biomedical

Professor of Mechanical Engineering, Xi'an Jiaotong University

Paulo de Carvalho

University of Coimbra , Portugal

Adaptive computational techniques with application to bio-signals (particularly, for cardiovascular applications), pattern recognition, modelling and Clinical Informatics.

Hao Chen

Department of Computer Science and Engineering, The Hong Kong University of Science and Technology

Trustworthy AI, Medical Image Analysis, Deep Learning, Computer Vision, Bioinformatics

Wei Chen

Fudan University, China

Medical monitoring system, patient health monitoring, neonatal monitoring, brain activity monitoring, smart sleep, smart rehabilitation system, wireless body area networks, wearable sensor systems, internet of things, ambient intelligence, personalized and smart environment, smart sensor systems, and signal processing.

Xing Chen

Jiangnan University, China

Bioinformatics, computational biology, systems biology, association prediction, computational model, microRNA, lncRNA, non-coding RNA, drug discovery, drug combination, complex disease, drug response prediction.

Gastone Ciuti

Scuola Superiore Sant'Anna (SSSA), Italy

Healthcare Mechatronics, Medical Robotics, Computer-Assisted Surgery, Collaborative Robotics, Computer Vision, Artificial Intelligence, Machine/Deep Learning, and Biomedical Sensor Technologies.

Diane Cook

Washington State University, USA

Machine learning, mobile health, human behavior recognition and analysis, ambient assisted living.

Medical Informatics, Health Records, Internet of Things, Distributed Systems, Mobile and Distributed Computing, Sensors and Wearables, Interoperability, Ubiquitous Computing, Telemedicine, Intelligent Interpretation of Health Data, and Ontologies and Web Semantics.

dos Sinos – Unisinos São Leopoldo - RS, Brazil

Tolga Çukur

Bilkent University, Turkey

Biomedical imaging, computational neuroscience, magnetic resonance imaging (MRI), machine learning,deep learning, medical image processing, medical image analysis

Silvia Del Din

Translational and Clinical Research Institute, Newcastle University, UK

Sensor Informatics –wearable, wearable and assistive devices for rehabilitation, well-being and ageing population, algorithms, wearable technology, digital mobility outcomes, gait/ walking, postural control, Parkinson's disease.

Ayman El-Baz

Chair of the Bioengineering Department, University of Louisville, Kentucky. Fellow: IEEE, NAI, BMES, AIMBE, and Coulter

aselba01@louisville.edu

Artificial Intelligence, Machine learning, Big data, Medical Imaging, Digital Pathology, Bioinformatics, Retinal Disease, Oncology, Diagnosis, Prognosis, Medical image analysis, Image segmentation, Image segmentation, Image registration, Image denoising and restoration, Generative models

Hisham ElMoaqet, PhD
German Jordanian University

Sleep Medicine, Polysomnography, Sleep Disorders, Respiration Signals, ECG, EEG, PPG, SpO2, Biomedical Signal Processing, Cardiorespiratory Coupling, Sleep Stages, Machine and Deep Learning, Prediction of Physiological Signals, Prediction of critical events and outcomes, Physiological monitoring, Predictive Modeling, Wearable Sleep Monitoring

Bjoern Eskofier
Friedrich-Alexander University Erlangen-Nuernberg, Germany

Body sensor networks; smart point-of-care and wireless physiological monitoring devices embedded system design, autonomic sensing, wearable and assistive devices for rehabilitation, well-being and ageing population; Electronic health record; intelligent interpretation of health data, decision support systems, remote guidance and virtual reality applications in diagnostic and therapeutic procedures. Pervasive healthcare, wellness management.

Andrea Facchinetti
University of Padova, Italy

Machine learning; Clinical decision support systems; Simulation and modeling; Biomedical signal processing; Predictive modeling; Clinical engineering; Mobile health systems; Mobile applications; Wearable biomedical sensors.

Clinical Engineering, Human Computer Interaction, Telemedicine, Electronic Health

Giuseppe Fico
Universidad Politécnica de Madrid, Spain

Nenad D. Filipovic
University of Kragujevac, Serbia

Biomedical engineering, cardiovascular disease, fluid-structure interaction, biomechanics, bioinformatics, biomedical image processing, medical informatics, multi-scale modeling, data mining, software engineering, parallel computing, computational chemistry and bioprocess modeling.

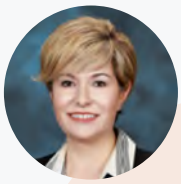
Giancarlo Fortino
Computer Engineering, Università della Calabria, Italy

Human-Machine Systems, Wearable Computing, Internet of Things computing and technology, agent-based computing, body area networks, wireless sensor networks, pervasive and cloud computing, multimedia networks, and mobile health systems.

Huazhu Fu

Inception Institute of Artificial Intelligence, Abu Dhabi, UAE

Medical image analysis, medical image segmentation, machine learning, deep learning, multi-view/modal representation learning.



Tourassi Georgia

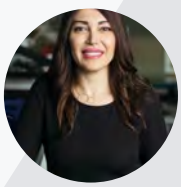
Oak Ridge National Laboratory, USA

Medical image analysis, natural language processing, clinical decision support, human-computer interaction, artificial intelligence, scalable data-driven biomedical discovery, and high performance computing.

Hassan Ghasemzadeh

Washington State University, USA

Embedded & Pervasive Systems, Algorithm Design, Context-Aware Computing, Cyber Physical Systems, Collaborative Processing, Design for Scalability & Robustness, Power-Aware Design, Computational Autonomy, Data Analytics, Transfer Learning, Mobile & Wireless Health, Fall Monitoring & Prevention, Sports Training.



Biomedical signal analysis, Machine learning, Wearable and assistive devices for rehabilitation, Remote home monitoring, Deep learning, Computer-aided clinical decision making

Daniela Giordano

University of Catania, Italy

Pattern recognition and knowledge discovery from large scale, heterogeneous data, biosignal processing (EEG, eye-tracking data), computer vision, deep learning, multimodal adaptive interaction, social robots for assistive/rehabilitation activities, cognitive computing in medical systems.

Aris Gkoulalas-Divanis

IBM Watson Health, Cambridge, MA, USA

Healthcare Information Management Platforms, Healthcare Data Security and Privacy, Large Scale Data Mining / Analytics, Privacy-Preserving Data Mining, Clinical Decision Support Systems, Pervasive / Ubiquitous Computing, Healthcare Applications.

Yun Gu

Associate professor in Institute of Medical Robotics, Shanghai Jiao Tong University, China

Medical Image Computing, Robot-guided Surgery, Computer-assisted Interventions, Medical Image Segmentation, Deep Learning, Robotic Vision, Surgical Navigation, Surgery Planning

Adam W. Hoover

Clemson University, USA

Tracking systems, image and signal processing, state space modelling, filtering, embedded computing, and mHealth.

Jude Hemanth

Karunya University, Coimbatore, India

Computational Intelligence, biomedical image processing, optimization techniques.

Khan M. Iftekharuddin

Professor and University Eminent Scholar Batten Endowed Chair in Machine Learning Director, Vision Lab, USA

Brain tumors; Magnetic resonance imaging; Radiomics; Feature extraction; Computational modeling; Classification; Recurrent brain tumor; Imbalance data learning; Survival analysis; Machine learning; Deep learning.

Non-invasive physiological monitoring, human health and performance, cardiomechanical signals, chronic disease

Georgia Institute of Technology, USA

Roozbeh Jafari

Texas A&M University, USA

Wearable computing, body sensor networks (BSN), mobile health, signal processing, design and analysis of cyber physical systems (CPS), physiological sensing, circuits and systems for electroencephalography, low power and light-weight embedded system design and optimization.

Ning Jiang

National Clinical Research Center for Geriatric West China Hospital Sichuan University, China

Biological signal (EEG, EMG, ECG etc.) processing, myoelectric control, brain computer interface, man-machine interface, neuromuscular system modeling, powered Orthotics, motor rehabilitation for stroke, neural plasticity.

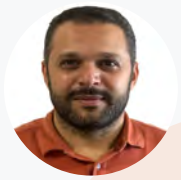
Davood Karimi

Harvard Medical School

Medical image analysis, signal processing, neuroimaging, diffusion MRI, ultrasound imaging, computed tomography, digital pathology, brain connectivity, machine learning, artificial intelligence.

Dr. Julien Le Kernec
University of Glasgow, UK

Radar for assisted living and veterinarian applications, Future radar systems, 5G/6G



Fahmi Khalifa
Electrical and Computer Engineering, Mitchell School of Engineering, Morgan State University, Baltimore, USA

Image processing, machine learning, medical image analysis, computer-aided diagnosis, and digital and analog signal processing.

Dr. Yaser Daanial Khan
Professor, School of Systems and Technology, University of Management and Technology

Image processing, Neural networks, Computer Science, Bioinformatics, Proteomics

Medical Image Computing, Medical Ultrasound Image Analysis, Alzheimer's Disease Diagnosis, Artificial Intelligence in

Baiying Lei
Shenzhen University,
Shenzhen, China

Steffen Leonhardt
Helmholtz Institute for Biomedical Engineering, RWTH Aachen University, Germany

Body Sensor Networks, Wearable Sensors, Signal processing, Non-invasive physiological monitoring, Machine Learning, Medical Instrumentation, Bioimpedance, Gerontotechnology.

Shuo Li
Case Western Reserve University, USA

Multi-Modal AI, Trustworthy AI, Medical Image Analysis, Deep Learning, Clinical Decision Support, Artificial Intelligence, Big Data

Jerry Chun-Wei Lin

Western Norway University of Applied Sciences, Norway

Artificial Intelligence and Deep Learning, Data Analytics and Mining of Health Informatics, NLP modeling in Mental Health, Internet of Medical Things (IoMT)

Tianming Liu

Department of Computer Science and Bioimaging Research Center University of Georgia, Georgia

Biomedical Image, analysis, healthcare bigdata, deep Learning.

Benny Lo

Imperial College London, UK

Computer Vision, Temporal Tracking, Machine Learning, Image segmentation, Stochastic inferencing, Body Sensor Networks, Pervasive/Ubiquitous Computing.

Medical image analysis and computing, Radiomics and Radiogenomics, Imaging Informatics, AI applications in medical imaging and personalised medicine informatics.

Hellenic Mediterranean University and Foundation for Research & Technology Hellas, Greece

Dr. Priyan Malarvizhi Kumar
University of North Texas, USA

Wearable Sensors, Internet of Medical Things (IoMT), Machine Learning, Data Science, Wearable Sensor Systems, Internet of Things, Security and Privacy in Health Care & AI-driven Health Informatics.

Vasileios Megalooikonomou
Professor and Director, University of Patras

Big data management and analytics, machine learning, biomedical informatics, medical imaging, decision support systems, and IoT

Jianjun Meng

Associate professor at Shanghai Jiao Tong University, China

Brain-Computer Interface (BCI), Electroencephalography (EEG), NeuroProsthetic Hand, Electromyography, Ultrasound, Biomedical Signal Processing, Stroke Rehabilitation

Dr. Varun G Menon

SCMS School of Engineering and Technology, APJ Abdul Kalam Technological University, India

Internet of medical things (IoMT), wearable computing, body sensor networks (BSN), mobile health, brain computer interface, artificial intelligence, assistive devices for rehabilitation, remote health monitoring, medical informatics

Marco Mercuri, Ph.D.

Associate Professor of Biomedical Engineering, Dipartimento di Ingegneria dell'Informazione, delle Infrastrutture e dell'Energia Sostenibile (DIIES) University Mediterranea of Reggio Calabria, Italy

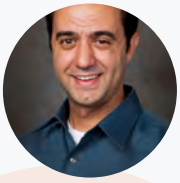
Biomedical radar systems and algorithms, biomedical applications of microwave/RF, remote patient monitoring, remote radar sensing, contactless sensing, remote healthcare, telemedicine, long-term health monitoring, capacitive ECG, inductive wireless power transfer, wireless sensors, biomedical circuits and systems, fall detection, indoor localization, contactless vital signs monitoring, people tracking.

Ahmed Abdelhadi Metwally, PhD
Senior Research Scientist, Google

AI/ML, LLM, Wearables, Omics, Diabetes, Time-series

Andrea Moglia
University of Pisa, Italy

Robot-assisted Surgery, Computer-Assisted Surgery, Medical image segmentation, Artificial Intelligence for Medical Image and Video analysis, Machine/Deep Learning, Telemedicine



Bobak J. Mortazavi, Ph.D.
Associate Professor, Texas A&M University

Health informatics, Biomedical Data Science, Wearable Sensors, Remote Health, Embedded Systems, Machine Learning, Clinical Outcomes, Cardiovascular Outcomes

Artificial Intelligence, Machine and Deep Learning, Computer Vision, Pattern Recognition, Intelligent Sensors, Biological signal processing, Human-Machine Systems, Digital Health, AI-Assisted Healthcare,

Şaban Öztürk

Ankara Hacı Bayram Veli University, Turkey

Medical image analysis, deep learning, artificial intelligence, content-based medical image retrieval, low-dose computational tomography, image denoising and restoration, large language models

Andreas S. Panayides

Co-founder and R&D Director, 3AE Health LTD (3AHealth), Cyprus

Medical video processing and analysis, medical video communications, mHealth/ eHealth/ Telehealth, deep learning, computer vision.

Ashish Pandharipande

Philips Research, The Netherlands

Sensor signal processing, Data analytics, Wireless communication technologies, Control systems, Body sensor networks, Signal processing and control techniques for healthcare and personal well-being applications.

Zhibo Pang

ABB Corporate Research, Sweden

Industry4.0, healthcare 4.0, healthcare informatics, hospital automation, home healthcare, elderly healthcare, medical robotics, wireless sensor and actuator networks, cyber physical systems, Internet-of-Things.

Georgios Papanastasiou

Pfizer Inc and Archimedes Unit, Athena Research Centre, Athens

Imaging Informatics, Medical Informatics, Public Health Informatics, Multi-Modal AI

Constantinos S. Pattichis

University of Cyprus, Cyprus

e-Health, m-Health, and e-Emergency systems, medical image analysis systems (MRI, ultrasound, endoscopy, microscopy), biosignal analysis systems (electromyography), computational intelligence in medical systems, life sciences informatics.

Biomedical time-series, machine learning and deep-learning, health technology assessment (HTA), reverse engineering for early stage health economics, biomedical regulatory

Dr. Wenjian Qin, Ph.D.

Shenzhen Institute of Advanced Technology, Chinese Academy of Sciences, China

Artificial Intelligence in Biomedicine, Computation Pathology, Imaging Informatics, Biomedical Image Computing,Tumor modeling, Computer Vision.

Anqi Qiu

Global STEM scholar, Professor Department of Health Technology and Informatics, Hong Kong Polytechnic University, Hong Kong

multi-modal brain image analysis, imaging genetics, graph neural network, manifold learning

Vicente Traver Salcedo

ITACA – Universitat Politecnica de Valencia, Spain

Digital health, Health Internet of Thing, process mining, patient empowerment, digital health literacy, mobile health

Pinaki Sarder, Ph.D.

Affiliate Associate Professor, Health Outcomes and Biomedical Informatics

Digital PathologyImage AnalysisImage Processing

Edward Sazonov

University of Alabama, USA

Body sensor networks; wearable, ingestible and implantable systems; biosensor design, miniaturisation and embodiment; smart point-of-care and wireless physiological monitoring devices (e.g. ECG, EMG, EEG and PPG); ASIC and embedded system design, on-node processing, smart devices and app development; autonomic sensing, distributed inference, context aware sensing and multi-sensor fusion; wearable and assistive devices for rehabilitation, well-being and ageing population.

Enzo Pasquale Scilingo

School of Engineering, University of Pisa, Italy

Biomedical signal processing, wearable monitoring systems, mobile health, man-machine interface, mental disorders, autonomic nervous system, affective computing

Dinggang Shen

United Imaging Intelligence (UII), Shanghai, China

Medical image analysis, computer vision, and pattern recognition.

Peter Bradley Shull

School of Mechanical Engineering Shanghai Jiao Tong University, China

Wearable sensors, machine learning, hand gesture recognition, wearable haptics, movement training and rehabilitation, gait biomechanics, human computer interaction.

Amit Kumar Singh

Department of Computer Sc. & Engineering National Institute of Technology Patna, India

Multimedia data hiding, image processing, biometrics & Cryptography.

Andrzej Skalski, Ph.D., DSc

AGH University of Krakow, Poland

Immersive techniques, augmented/mixed/virtual realities, medical navigation systems, computer-aided surgery, medical image analysis, image registration

Jiangning Song

Monash University, Australia

Bioinformatics, Medical Image Analysis, Computational Biology, Machine Learning, Pattern Recognition, Predictive Modeling, Systems Biology

Brain Computer Interfaces, Multimodal functional neuroimaging integration (EEG/high-density EEG, fMRI, ASL, EEG-TMS data), Brain functional connectivity inference,

University of Verona, Italy -
BrainNAVigationLab

Abdulhamit Subasi, Ph.D.
Professor, University of Turku
Faculty of Biomedicine
Institute of Biomedicine

Artificial Intelligence, Machine Learning and Biomedical Image Data Processing

Yu SUN
Zhejiang University, China

Neural Engineering, Brain-Computer Interfaces (BCI), Biomedical Signal Processing, Neuroergonomics

Babak Taati

KITE Research Institute | Toronto Rehab – University Health Network and University of Toronto

Computer Vision, Ambient Health Monitoring, AI-Assisted Healthcare

Toshiyo Tamura

Chiba University, Japan

Medical instrumentation and transducers, rehabilitation engineering, assistive technology, home health care devices.

Chang Tang

China University of Geosciences, China

Machine learning, deep learning, bioinformatics, clustering, biomedical data analysis, medical image processing, computational biology, omics data analysis

Molecular imaging, Medical image analysis, and pattern recognition.

Vincent S. Tseng

National Cheng Kung University, Taiwan

Biomedical data mining, health informatics analytics, biomarker discovery, health risk assessment/modelling, telecare systems, mobile health, knowledge discovery in electronic medical records.

Manolis Tsiknakis

Technological Educational Institute of Crete and FORTH, Greece

Semantic health data integration, smart eHealth and mHealth service platforms, ubiquitous sensor-based human behavior modeling, activity and context recognition, affective computing, socio-economic aspects of eHealth and mHealth technologies and services.

Maarten De Vos

KU Leuven, Belgium

Monitoring health, diagnosis and prognosis of neurological, psychiatric and neurodegenerative conditions

Xiaosong Wang

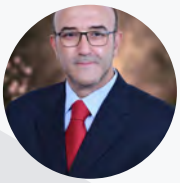
Shanghai Artificial Intelligence Laboratory, China

Medical image analysis, machine learning, deep learning, vision and language, large-scale medical data, federated learning

Hongjiang Wei

School of Biomedical Engineering, Shanghai Jiao Tong University, Shanghai, China

Medical Imaging, Magnetic Resonance Imaging (MRI), medical image reconstruction, deep learning.



Naoufel Werghi

Khalifa University, Abu-Dhabi, UAE

Medical Imaging, Computer Aided Diagnosis, Imaging Biomarkers, Data science and data engineering for biomedicine and health, Machine learning and artificial intelligence methodologies for biomedical data analysis and interpretation

Medical Image Analysis, Medical Imaging, Machine Learning, Biomechanics

Imaging, Massachusetts General Hospital

Ka-Chun Wong
City University of Hong Kong

Bioinformatics, Computational Biology, Computational Intelligence, Data Science, Artificial Intelligence, Machine Learning, Deep Learning, Evolutionary Computation, Sequence Analysis, Pattern Recognition, Genomics

Ken C. L. Wong
IBM Research Almaden, USA

Medical image analysis, medical image segmentation, machine learning, deep learning, biomechanics, computational physiology (cardiac physiology and tumor growth), model personalization.

Wei Wu
Alto Neuroscience, Inc., CA, USA

Precision Mental Health, Biomarker Development and Validation, Biomedical Signal Processing, Neural Engineering, Electroencephalography (EEG)

Winston Wu
Pharmaco-Kinesis Corporation, USA

Wireless body-worn devices, embedded networked systems integrating sensor information processing, embedded inference, and internetworked devices.

Ziyue Xu
Nvidia, USA

Medical image analysis, computer vision, shape modelling, graph methods, and machine learning.

Geng Yang
Zhejiang University (ZJU), China

Robot sensing and its applications in healthcare, Human-Robot Interface & Safe Interaction Human Cyber Physical Systems(H-CPS), Flexible circuits & sensors and heterogeneous integration, Biomedical micro-circuits and systems, Health Internet-of-Things (IoT)

Hui Yang
Pennsylvania State University, USA

Health Internet of Things, Physiological signal processing and informatics, Computer Simulation and modeling of cardiovascular systems, Design and Analysis of Biomedical Experiments, Nonlinear Dynamics and Chaos, Biosensing and data mining.

Jianhua Yao
Tencent, China

Medical image analysis, digital pathology, endoscopic image, clinical decision support, precision medicine

Zheng Zhang
Harbin Institute of Technology, Shenzhen, China

Medical Image Analysis, Machine Learning, Manifold Learning, Multimodal Diagnosis, Trustworthy AI

Zhi-Qiang Zhang

Body Sensor Networks, Pervasive Sensing, Digital Medicine, Biomotion/Gait Analysis, Human Biomechanics, Rehabilitation robotics, Neuro-Rehabilitation, Physiological Signal Processing.

Guoyan Zheng

Shanghai Jiao Tong University, China

Medical image computing, machine learning, deep learning, image-guided surgery, computer-assisted interventions, medical robotics, musculoskeletal image analysis, clinical decision support, endoscopic image, statistical shape and deformation analysis, medical image segmentation, and medical image registration

Huiyu Zhou

School of Informatics, University of Leicester, United Kingdom

Machine learning, artificial intelligence, data mining and image analysis. He is keen to develop novel statistical models and deep learning based approaches to solve research problems in manufacturing, healthcare, materials, earth observation, robotics and social sciences.

Reyer Zwiggelaar

Aberystwyth University, UK

Computer vision, image analysis, mammography, breast cancer, prostate cancer, biometrics, machine learning, manifold learning.