

# **2023 OkIP International Conference on Advances in Health Information Technology (AHIT)**

**Monday, 2 October 2023 - Thursday, 5 October 2023**

**Tiako Center, Oklahoma City, OK, USA & Online**

## **Scientific Tracks**

## **HIT Concepts and Design**

Patient Portals | Virtual Consultation  
Electronic Medical Records and Standards  
Patient-Doctor Relationship  
Technology Adoption/Diffusion/Use/Evaluation  
eHealth Platform Design/Implementation  
Patient Safety | Point-of-Care Diagnostic  
Health Imaging | Patient Monitoring  
eHealth Research Method  
Health Authentication/Authorization  
eHealth Emerging Trends  
Telemedicine | Internet of Medical Things  
Medical Diagnostic Imaging  
Ageing and Disability | Remote Monitoring  
eHealth Design/Development Methodologies  
Medical Coding/Billing/Payment  
Mobile Health Application/Technology  
Healthcare Referral  
eHealth and mHealth Economy  
eHealth Clinical Cases  
Healthcare Services Modeling  
Clinical Information Sharing  
Community Health Information Network  
Digital Health Ecosystem  
Virtual Counseling | Computer-aided Diagnosis  
Internet-based Health Interventions

## **Advanced in Medical Imaging**

Physics of Medical Imaging  
Image Formation in Medical Imaging  
Ionizing Radiation | Non-ionizing Techniques  
Novel Methods for Image Formation/Performance  
Algorithms for Image Reconstruction/Correction  
Detector Materials and Electronic Design  
Analytical/Computer Modeling of Imaging Systems  
Image Processing | Augmented/Virtual Reality  
Functional/Model-Based Imaging Analysis  
Generative/adversarial learning  
Image Representation/Compression  
Image Restoration/Enhancement/Synthesis/Genetics  
Open software for Medical Image Processing  
Quantitative/Qualitative Imaging biomarkers  
Radiomics and Texture Representation/Analysis  
Computer-Aided Diagnosis| Image-Guided Procedures  
Robotic Interventions and Modeling  
Clinical and Biomedical Imaging  
Imaging Informatics for Healthcare  
Ultrasonic Imaging and Tomography  
Digital and Computational Pathology

## **AI in Health**

Decision Support Systems  
Medical Data Mining Analysis  
Health Expert Systems | eHealth Blockchain  
Health Knowledge Management  
Cognitive Informatics | Affective Computing  
Physiological and Behavioral Modeling  
Pattern Recognition and Machine Learning  
Clinical Decision Support Systems  
Games for Health | Motion Gaming  
Health Promotion AI | Exergaming  
Healthcare Predictive Modeling  
Smart, Personalized Healthcare Guidance  
AI Learning-Recommendations  
Healthcare Explainable AI  
Classification Algorithms  
Healthcare Advisor Model  
Big Data in Healthcare and Biomedical

## **Health Safety, Data, and Security**

Health Data Interoperability/Integration  
Medical Data Visualization  
Blockchain in Healthcare | Prognostics  
Medical Data Confidentiality/Security  
Health/Biomedical Big Data  
Data Communication Security  
Occupational Health and Safety  
Electronic Prescription Systems  
Hazard Recognition/Evaluation/Control  
Health Critical Infrastructure Protection  
Healthcare Delivery Improvement  
Personal Privacy Protection  
Health Data Anonymization/Pseudonymization

## **HIT Systems and Applications**

Health Applications  
Software Systems in Medicine  
Mobile Technologies for Health Applications  
Wearable Health Informatics  
Therapeutic Systems/Technologies  
Assistive Interfaces/Tools/Technologies  
Pervasive Health Systems and Services  
Healthcare Management Systems  
eHealth Social Network | eHealth New Media  
Health Electronic Commerce  
Monitoring Systems | Home Health Systems  
Medical Rehabilitation Technologies

Biomedical/Sensor Monitoring  
Noninvasive Sensor Applications  
Electronic/Implanted Health Sensors  
Innovative Healthcare Diagnostic Tools  
Cloud for eHealth Services

## **HIT Regulation and Legal Issues**

General Data Protection Regulation  
Patient Data Access | Privacy Concern  
eHealth Governance/Risks/Challenges  
eHealth Policy | Telemedicine Regulation  
Health Information Disclosure/Sensitivity  
Consent Management  
Data Protection Regulations  
Trusted Health Information Environment  
Clinical Trial Regulations  
Medical Device Regulation/Standard