2022 IEEE International Conference on Digital Health (ICDH)
part of the 2022 IEEE World Congress on SERVICES
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IEEE International Conference on Digital Health (ICDH)

is a prime international forum for both researchers and industry practitioners to exchange the latest fundamental advances in the state of the art and practice of digital health technologies, emerging research topics, and the future of digital health. ICDH aims to bring together leading researchers, community leaders and visionaries from academia and industry, end-users, and healthcare professionals, in the area of digital health to share their research, practical experience, and visions of the future of sustainable health and social care transformations. Significant opportunities of research and development of the digital health ecosystem have been leading to new tools, techniques, analysis and automation of health care delivery models seeking improved outcomes for all related stakeholders including the patients and the health providers. **ICDH will include a broad range of issues and concerns, including, but not limited to, the following topics:**

System Infrastructure and Operation
- Infrastructure of digital distributed and connected digital healthcare services
- Digital Services to improve the health delivery outcomes in emergency room and ICU
- Real time monitoring of patients' status, health information and vital signs using Internet of Things (IoT)
- Mobile health (mHealth) services and applications that include the use of mobile devices to collect community and clinical health data, and delivery of healthcare information to practitioners, researchers and patients

Quality of Healthcare
- Digital health systems, software and services for medication adherence, improving patient and provider communication before, during and after hospital discharge
- Digital health technology to reduce disparity and increase inclusion of under-served and vulnerable communities
- Patient/user-side design for digital health care that may address user needs, social isolation, assisted living for older adults and individuals with special needs, emergencies

Digital Health Education
- Digital health systems and tools for health care professional training and workforce development
- Training healthcare workers on the use of digital systems
- Archival and publication of healthcare information

AI, Analytics & Algorithms
- Therapeutic algorithms and disease/condition-specific intervention service design (e.g., diabetes, obesity, COPD, dementia, post cancer treatment, allergies, mental health)
- Empirical study on savings in unit and total cost realized by patient and community engagement
- Health economics of services-oriented care delivery systems
- outbreaks and planning and managing care and supply delivery
- Crowd-sourcing and social media analysis for predicting and monitoring infectious disease outbreaks and planning and managing care and supply delivery
- Medical image analysis
- Analysis of electronic medical records

Ethics, Policy & Standardization
- Standardizing provider-side and user-side digital health, FHIR resources, profiles and extension for digital health
- Delivery pathways co-design and provider/patient acceptability
- Services to comply with privacy and security regulation in health care system such as HIPAA
- Security and privacy of digital health systems and service

Biology for Digital Health
- Computational analysis of molecular biology
- DNA-RNA sequencing

PAGE LIMITS (more details at https://conferences.computer.org/icdh/2022/cfp/)
Every "Regular paper" submission can include up to 10 pages (including main contents and references).
Every "Short paper" submission can include up to 6 pages (including main contents and references).
Every "Work-in-Progress" paper can include up to 3 pages (including main contents and references).

PAPER SUBMISSION INSTRUCTIONS
Instructions for authors, including the submission link, are available at
https://conferences.computer.org/icdh/2022/cfp/.

IMPORTANT DATES - NEW DEADLINE
Submissions due: April 1, 2022 (FIRM)
Final notification to authors: May 15, 2022
Camera-ready manuscript and registration due: June 1, 2022

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