



# 2022 IEEE International Conference on Digital Health (ICDH)

part of the 2022 IEEE World Congress on SERVICES

<https://conferences.computer.org/icdh/2022/>

JULY 10-16

HOSTED AT UPC TERRASSA CAMPUS  
BARCELONA, SPAIN

## CALL FOR PAPERS



**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:**

- Models and architectures of digital health and integrated digital health care services
- Therapeutic algorithms and disease/condition-specific intervention service design (e.g., diabetes, obesity, COPD, dementia, post cancer treatment, allergies, mental health)
- 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
- Standardizing provider-side and user-side digital health, FHIR resources, profiles and extension for digital health
- Delivery pathways co-design and provider/patient acceptability
- Crowd-sourcing and social media analysis for predicting and monitoring infectious disease outbreaks and planning and managing care and supply delivery
- Digital health systems and tools for health care professional training and workforce development
- Digital health technology to reduce disparity and increase inclusion of under-served and vulnerable communities
- Digital health systems, software and services for medication adherence, improving patient and provider communication before, during and after hospital discharge
- Digital Services to improve the health delivery outcomes in emergency room and ICU
- Services to comply with privacy and security regulation in health care system such as HIPAA
- Mobile health (mHealth) services and applications which include the use of mobile devices in collecting community and clinical health data, delivery of healthcare information to practitioners, researchers and patients
- Real-time monitoring of patient vital signs and the direct provision of care (via mobile telemedicine) for training and collaboration of health workers.
- Health economics of services-oriented care delivery systems
- Empirical study on savings in unit and total cost realized by patient and community engagement
- Security and privacy of digital health systems and service

### Steering Committee

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### PAPER SUBMISSION INSTRUCTIONS

Please visit <https://conferences.computer.org/services/2022/cfp> for paper format and paper submission instructions for conferences being held under the IEEE Services Congress umbrella. The direct link for IEEE ICDH paper submission can be found here: <https://easychair.org/conferences/?conf=2022ieeicdh>

### IMPORTANT DATES

**Submissions due: March 1, 2022**

**Final notification to authors: April 15, 2022**

**Camera-ready manuscript and registration due: May 1, 2022**

**CONTACT ICDH ORGANIZERS: [ieeecs DOT icdh AT gmail DOT com](mailto:ieeecs@icdh.com)**