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10th International Conference, HIS 2021
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Preface

The International Conference Series on Health Information Science (HIS) provides a forum for disseminating and exchanging multidisciplinary research results in computer science/information technology and health science and services. It covers all aspects of health information sciences and systems that support health information management and health service delivery.

The 10th International Conference on Health Information Science (HIS 2021) was held in Melbourne, Australia, during October 25–28, 2021. Founded in April 2012 as the International Conference on Health Information Science and Their Applications, the conference continues to grow to include an ever broader scope of activities. The main goal of these events is to provide international scientific forums for researchers to exchange new ideas in a number of fields that interact in-depth through discussions with their peers from around the world. The scope of the conference includes the following: (1) medical/health/biomedicine information resources, such as patient medical records, devices and equipment, and software and tools to capture, store, retrieve, process, analyze, and optimize the use of information in the health domain; (2) data management, data mining, and knowledge discovery, all of which play a key role in decision-making, management of public health, examination of standards, and privacy and security issues; (3) computer visualization and artificial intelligence for computer-aided diagnosis; and (4) development of new architectures and applications for health information systems.

The conference solicited and gathered technical research submissions related to all aspects of the conference scope. All the submitted papers were peer-reviewed by at least three international experts drawn from the Program Committee. After the rigorous peer-review process, a total of 16 full papers and seven short papers among 56 submissions were selected on the basis of originality, significance, and clarity and were accepted for publication in the proceedings. The authors were from Australia, Bangladesh, China, the Czech Republic, India, Iran, the Netherlands, Pakistan, Serbia, Spain, and the USA.

The high quality of the program – guaranteed by the presence of an unparalleled number of internationally recognized top experts – is reflected in the content of the proceedings. The conference was therefore a unique event, where attendees were able to appreciate the latest results in their field of expertise and acquire additional knowledge in other fields. The program was structured to favour interactions among attendees coming from many different areas, scientifically and geographically, from academia and from industry.

Finally, we acknowledge all those who contributed to the success of HIS 2021 but whose names are not listed here.

October 2021

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