

# 14th Australasian Conference on Health Informatics and Knowledge Management HIKM 2021

*Australasia's Digital Health Scientific Conference*



Hosted by Otago University, Dunedin, New Zealand  
February 1-4, 2021

**HIKM CALL FOR PAPERS (Final Call – now due  
10 October)**

**[www.hikm.net.au](http://www.hikm.net.au)**

HIKM is held in conjunction with the Australasian Computer Science Week (ACSW); the premier event for Computer Science researchers across Australasia. ACSW is attended by many national and international delegates comprising academics, industry representatives and Higher Degree Research (HDR) students.

*Note that due to evolving COVID-19 related travel restrictions, HIKM this year will be an online conference.*

HIKM has been a leading forum for academic research in the area of digital health in the Pacific Australasian region for over a decade. Submission of papers presenting original unpublished work is now open. Accepted papers will be published with **ACM Press**. Papers should address current research topics that include, but are not limited to:

## **Data science and analytics for healthcare**

- big data analytics, health analytics, knowledge discovery, data mining and visualization
- health information management
- health workflow management
- interoperability protocols, terminologies, and ontologies
- standards for healthcare computing and

## **Use and integration of computing in healthcare**

- *Innovative uses of IT in response to COVID-19*
- clinical and healthcare decision support systems
- conceptual models and architectures for health information systems
- consumer information systems

- health data
- collections and registries, data linkage and integration

#### **Cyber-security in healthcare**

- health data governance
- privacy/security issues on healthcare
- public and population large and big dataset
- predictive analytics and surveillance
- blockchain in healthcare

- design and implementation for new models of care
- electronic health records and systems
- health informatics education
- mobile applications for health monitoring
- online and web interventions in healthcare
- sensors and Internet of Things for healthcare
- social media in health care
- telemedicine and remote healthcare services

#### **Submission and Publication:**

HIKM calls for three types of submissions. All submissions must be in English and PDF format. Other formats will not be accepted. Papers will be double-blind peer reviewed by at least two expert reviewers for originality, significance, and relevance to the conference.

- **Poster/5 Minute Lightning Talk.** Authors of posters will be invited to present a 5 minute talk at HIKM/ACSW and prepare a poster. Submit via the ACSW Poster submission portal <http://www.acsw.org.au/>
- **Short papers.** Submissions should be 4 pages long. Authors of accepted short papers will be invited to present a 10 minute talk at HIKM. Short papers will be published in ACSW Proceedings by ACM Press
- **Full papers.** Submissions must not exceed 10 pages. Authors of accepted full papers will be invited to present a 20 minute talk at HIKM. Full papers will be published in ACSW Proceedings by ACM Press

#### **Short and full papers are to be submitted via the ACSW-HIKM EasyChair portal:**

<https://easychair.org/conferences/?conf=acsw2021>

- Short and full papers will be included in the Proceedings of ACSW 2021, to be published by ACM Press. The proceedings will be indexed by SCOPUS, SCI (ISI) and SemanticScholar.
- Papers must conform to formatting instructions for all ACSW submissions as detailed at [www.acsw.org.au](http://www.acsw.org.au)
- Submissions will be regarded as an undertaking that it will not be under consideration simultaneously elsewhere, and that should the paper be accepted, at least one author will register and attend the conference (virtually, online) to present the work.
- Authors are encouraged to submit more than one paper, however registration will entitle authors to present only one paper. In the event of multiple papers accepted from the same author, a co-author will be required to register and present.

**Tutorials/Workshop Monday 1<sup>st</sup> Feb,2021.** Submissions are called for two hour or half day tutorials on a topic of interest to HIKM delegates. Submit a synopsis of the tutorial (max 300 word), intended audience and brief biographical description of presenter(s) to HIKM Tutorial chair, Tony Sahama at [tony1sahama@gmail.com](mailto:tony1sahama@gmail.com) Tutorial submissions will be assessed on the expertise of presenters and the

relevance to a HIKM audience. Please note, tutorials are expected to be free of charge for attendees, and tutorial presenters will be required to register for HIKM.

#### **HIKM 2021 Timeline:**

All submissions: ~~5 October~~ **10 October 2020**

Author Notification: 9 November 2020

Camera-ready/Registration: 23 November 2020 – refer to ACSW Web site <http://www.acsw.org.au/>

HIKM Tutorials: 1 February, 2021

ACSW Conference: 1-4 February, 2021

#### **HIKM 2021 Committees: Programme Chairs:**

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***Prof Jim Warren**, University of Auckland, New Zealand*

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