



HIKM CALL FOR PAPERS (Now Due 6 Oct)

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 HDR students.

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 Submission of papers presenting original unpublished work is now open.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 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

Use and integration of computing in healthcare

- biomedical devices and systems
- biotechnology and bioinformatics
- clinical and healthcare decision support systems
- conceptual models and architectures health information systems
- consumer information systems
- design and implementation for new models of care
- electronic health records and systems
- health informatics education
- mobile platforms and BYOD in healthcare
- 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 four 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/>
- **Doctoral Consortium Extended Abstract.** 700 word (excluding references) abstracts. Authors of accepted DC abstracts will be invited to present a 10 minute talk at HIKM for specific feedback on their doctoral proposals. Abstracts will not be published in ACSW proceedings
- **Short papers.** Submissions should be 4 pages long. Short papers will be published in ACSW Proceedings by ACM Press
- **Full papers.** Submissions must not exceed 10 pages. Full papers will be published in ACSW Proceedings by ACM Press

DC abstracts, and short and full papers are to be submitted via the ACSW-HIKM EasyChair portal:

- Short and full papers will be included in the Proceedings of ACSW 2019, 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
- 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 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.
- No-show papers are papers submitted by authors who subsequently do not present the paper in-person at HIKM. No-shows will normally not be available on ACM Digital Library or other public access ACM forums.

Tutorials/Workshop Monday 3rd Feb, 2020. Submissions are called for 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 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 2019 Timeline:

All submissions: 6 October 2019

Author Notification: 7 November 2019

Camera-ready/Registration: Refer to ACSW Web site <http://www.acsw.org.au/>

HIKM Tutorials: 3 February, 2020

ACSW Conference: 4-6 February, 2020

HIKM 2019 Committees: Programme Chairs:

A/Prof Andrew Stranieri, Federation University, Australia

Dr Pari Delir Haghighi, Monash University, Melbourne, Australia

HIKM Steering Committee:

Andrew STRANIERI, Federation University Australia

Colin FIDGE, Queensland University of Technology, Australia

Jim WARREN, University of Auckland, New Zealand

Kerryn BUTLER-HENDERSON, University of Tasmania, Australia

Klaus VEIL, Western Sydney University, Australia

Pari DELIR HAGHIGHI, Monash University, Australia

Tony SAHAMA, Federation University (Brisbane), Australia

Ying WANG, Macquarie University, Sydney, Australia

Zhaohao SUN, PNG University of Technology, Papua New Guinea

HIKM Programme Committee:

Alan TAYLOR, Flinders University & eDevelopment Solutions, Australia

Anupama GINIGE, Western Sydney University, Australia

Andrew STRANIERI, Federation University Australia

Anthony MAEDER, Flinders University, Australia

Burkhard WEUNSCHE, University of Auckland, New Zealand

Charlynn MILLER, University of Melbourne, Australia

Chris LYNCH, Macquarie University, Australia

Chukwuma UKOHA, Federation University, Australia

Chun OUYANG, Queensland University of Technology, Australia

Colin FIDGE, Queensland University of Technology, Australia

Dave PARRY, Auckland University of Technology, New Zealand

Farah MAGRABI, Macquarie University, Sydney, Australia

Guan LUO, Chinese Academy of Sciences, China

Inga HUNTER, Massey University, New Zealand

Iqbal GONDAL, Federation University, Australia

Jan STANEK, University of South Australia, Australia

Jeffrey SOAR, University of Southern Queensland, Australia

Jim WARREN, University of Auckland, New Zealand

Kathleen GRAY, University of Melbourne, Australia

Karen DAY, University of Auckland, New Zealand

Kerryn BUTLER-HENDERSON, University of Tasmania, Australia

Klaus VEIL, Western Sydney University, Australia

Leonie SIMPSON, Queensland University of Technology, Australia

Mark MEROLLI, Swinburne University, Melbourne

Mary LAM, University of Sydney, Australia

Quang Vinh Nguyen Western Sydney University, Australia

Pari DELIR HAGHIGHI, Monash University, Australia

Shahadat UDDIN, University of Sydney, Australia

Tony SAHAMA, Federation University (Brisbane), Australia

Trish WILLIAMS, Flinders University, Australia

Venki BALASUBRAMANIAN, Federation University, Australia

Vicki BENNET, Australian Institute of Health and Welfare (AIHW), Australia

Ying WANG, Macquarie University, Sydney, Australia

Zhaohao SUN, PNG University of Technology, PNG