



## **CALL FOR PAPERS**

# **12th Australasian Conference on Health Informatics and Knowledge Management (HIKM) Sydney, Macquarie University, 29 – 31 January 2019**

<http://www.hikm.net.au>

Held in conjunction with the Australasian Computer Science Week (ACSW) is the premier event for Computer Science researchers across Australasia that comprises several conferences covering a wide range of Computer Science topics. 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 computing in support of healthcare 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 Submission of papers presenting original unpublished work is now open.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 in the field of computational intelligence, big data analytics, safety and security in health IT, information and knowledge management applied to healthcare. Topics 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
- modelling spatial biological data
- privacy / security issues on healthcare
- public and population large and big dataset predictive analytics and surveillance

### **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
- use and quality of health data
- electronic health records and systems
- health informatics education
- mobile platforms and BYOD in healthcare
- online and web interventions in healthcare
- 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 workshop.

- **Abstract Alone.** 200 word (excluding references) abstracts. Authors of accepted abstracts will be invited to present a 3-5 minute talk at HIKM
- **Doctoral Consortium Extended Abstract.** 700 word (excluding references) abstracts. Authors of accepted abstracts will be invited to present a 3-5 minute talk at HIKM and attend a half day Doctoral Consortium event for specific feedback on their doctoral proposals
- **Full papers.** submissions must not exceed 10 pages. There is no need to submit an Abstract Alone prior to the Full Paper submission.
  - Accepted full papers will be included in the Proceedings of ACSW 2019, to be published by ACM, the proceedings will be indexed by SCOPUS, SCI (ISI) and SemanticScholar.
  - Papers must conform to formatting instructions for all ACSW submissions as detailed at <http://www.hikm.net.au/cfp.html>
  - Submission of a paper 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 defined as 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.** Submissions are called for half/full day tutorials on a topic of interest to HIKM delegates. Submit a max 300 word synopsis of the tutorial, intended audience and brief biographical description of presenter(s) to [Tony Sahama <tony1sahama@gmail.com>](mailto:tony1sahama@gmail.com) using the template at [http://hikm.net.au/hikm\\_cft.pdf](http://hikm.net.au/hikm_cft.pdf) Tutorial submissions will be assessed on the expertise of presenters and the relevance to a HIKM audience. Please note, all tutorial presenters will be required to register for HIKM.

Papers are to be submitted via the ACSW 2019 Easy Chair Submission Site (coming soon).

### HIKM 2019 Timeline:

Abstracts Only & Doctoral Abstracts: 19 September 2018 (extended final date)

Author notification for Abstract Only: 15 October 2018

Full Paper Submission: 19 September 2018 (extended final date)

Author Notification: 15 October 2018

Camera-ready/Registration: 9 November 2018

Tutorial/Workshop Proposals: 10 October 2018 Notification:  
18 October 2018

ACSW Conference: 29 - 31 January 2019

**HIKM 2019 Committees:****Programme Chairs:**

*A/Prof Tony Sahama, Federation University (Brisbane), Australia*

*Dr Ying Wang, Macquarie University, Sydney, Australia*

**Review Committee: (PC to email reviewers to identify fields of interest)**

Yoong Choon CHANG, Universiti Tunku Abdul Rahman, Malaysia

Inga HUNTER, Massey University, New Zealand

Mary LAM, University of Sydney, Australia

Dave PARRY, Auckland University of Technology, Australia

Jeffrey SOAR, University of Southern Queensland, Australia

Jan STANEK, University of South Australia, Australia

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Alan TAYLOR, Flinders University & eDevelopment Solutions, Australia

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Jim WARREN, University of Auckland, New Zealand

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Peter CROLL, University of South Pacific, Fiji

Andrew STRANIERI, Federation University Australia

Tony SAHAMA, Federation University (Brisbane), Australia

Zhaohao SUN, PNG University of Technology, PNG,

Ying WANG, Macquarie University, Sydney, Australia

Farah MAGRABI, Macquarie University, Sydney, Australia

**HIKM Steering Committee:**

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