



CALL FOR PAPERS

11th Australasian Conference on Health Informatics and Knowledge Management (HIKM) Brisbane, 29 January - 2 February 2018

<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 Submission of papers presenting original unpublished work is now open.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, health analytics and systems, 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:

- **Abstract Alone.** 200 word (excluding references) abstracts will be reviewed by at least two expert reviewers for originality, significance, and relevance to the workshop. 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 will be reviewed by at least two expert reviewers for originality, significance, and relevance to the workshop. 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.** Each full paper will be double-blind peer reviewed by at least two expert reviewers. Papers will be assessed on the basis of originality, significance, technical quality, relevance to the workshop, and presentation of the content. 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 2018, to be published by ACM, the proceedings will be indexed by SCOPUS, SCI (ISI) and SemanticScholar.
 - Papers should be no more than 10 pages in length, and must conform to formatting instructions for all ACSW submissions as detailed at <http://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 a.stranieri@federation.edu.au using the template at 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

HIKM 2018 Timeline:

Abstract Only: 10 September 2017.

Author notification for Abstract Only 17 September 2017

Full Paper Submission: 10 September 2017

Author Notification: 23 October 2017

Camera-ready/Registration: 6 November 2017

Tutorial/Workshop Proposals: 10 September 2017

Notification: 23 September 2017

ACSW Conference: 29 January to 2 February 2018

HIKM 2018 Committees:

Co-Chairs:

Prof. Peter Croll University of South Pacific

Dr Kerryn Butler-Henderson, University of Tasmania

Programme Chairs:

A/Prof Tony Sahama, University of South Pacific, Fiji & Queensland University of Technology, Australia

A/Prof. Andrew Stranieri, Federation University 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

Anthony MAEDER, Flinders University, Australia

Kathleen GRAY, The University of Melbourne, Australia

Alan TAYLOR, Flinders University & eDevelopment Solutions, Australia

Colin FIDGE, Queensland University of Technology, Australia

Jim WARREN, University of Auckland, New Zealand

Kerryn BUTLER-HENDERSON, University of Tasmania

Peter CROLL, University of South Pacific, Fiji

Andrew STRANIERI, Federation University Australia

Tony SAHAMA, Queensland University of Technology, Australia

Zhaohao SUN, PNG University of Technology, PNG,

HIKM Steering Committee:

Prof. Elizabeth Borycki, University of Victoria, Canada

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