

Professor. Geoff Webb  
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## Biography

Geoff Webb is a leading data scientist and AI researcher and the only Australian to have been Program Committee Chair of the two leading Data Mining conferences, *ACM SIGKDD* and *IEEE ICDM*. He was elevated to *IEEE Fellow* in 2015 and his numerous awards include the inaugural *Eureka Prize for Excellence in Data Science* (2017).

He was editor in chief of *Data Mining and Knowledge Discovery* from 2005 to 2014. He is a Technical Advisor to *BigML Inc*, who have incorporated his best of class association discovery software, *Magnum Opus*, as a core component of their cloud-based Machine Learning service. He developed many of the key mechanisms of support-confidence association discovery in the 1980s. His OPUS search algorithm remains the state-of-the-art in rule search. He pioneered multiple research areas as diverse as black-box user modelling, interactive data analytics and statistically-sound pattern discovery. He has developed many useful machine learning algorithms that are widely deployed.

## Qualifications

Computer Science, Doctor of Philosophy, La Trobe University  
Award Date: 1 Nov 1987

Computer Science, Bachelor of Arts (Honours), La Trobe University  
Award Date: 1 May 1982

## Activities

### Member - Earth Observation Australia

Geoff Webb (Member)  
2018 → ...

### Fellow - Institute of Electrical and Electronics Engineers (IEEE)

Geoff Webb (Fellow)  
2016

### Member - Association for Computing Machinery (ACM)

Geoff Webb (Member)  
2016

### Member - American Association for Artificial Intelligence

Geoff Webb (Member)  
2016

### Member - Faculty Research Committee - Faculty of Information Technology, Monash University

Geoff Webb (Member)  
2016

### Member - IEEE Computer Society

Geoff Webb (Member)  
2016

### ACM International Conference on Knowledge Discovery and Data Mining 2015

Geoffrey Ian Bawtree Webb (Organiser)  
2015

**Conference Co-Chair - IEEE International Conference on Data Mining (ICDM)**

Geoff Webb (Chair/ Co-Chair)

2012

**Co-Chair - IEEE International Conference on Data Mining (ICDM)**

Geoff Webb (Chair/ Co-Chair)

2010