

Professor. Geoff Webb  
Data Science & AI  
Email: Geoff.Webb@monash.edu



## Biography

Geoff Webb is Director of the Monash University Centre for Data Science. He is a leading data scientist 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

### 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