



Summary of Experience

- Professional astronomer with research experience in Australia and internationally
- Presented at dozens of National and International conferences
- Lectured Astro 101 at University of Melbourne & Physics 101 at Swinburne University
- Extensive TV, radio and print experience
- Co-host of web based lecture series
- Travelled across Australia teaching astronomy to thousands of school children
- Invited speaker for general public talks, inc TEDx in the Opera House, Evening talks in Fed Square, National Science Week at WA Museum, Adelaide Fringe
- Star & co-creator of planetarium movie "Dark" shown in 148 planetariums in 25 countries world-wide

A/Prof Alan Duffy, astronomer and physics lecturer

PhD (Astronomy & Astrophysics), University of Manchester (2009)

MPhys (1st) Physics with Study in Europe, University of Manchester (2005)

As an experienced astronomer, Alan has over 20 published articles on a range of topics within general astronomy and cosmology (several of his papers are amongst the Top 1% most highly cited astronomy articles in the world of their year). His papers have won commendation in the Louise Webster award of the Astronomical Society of Australia, Best UWA Publication of 2012 by an early career researcher and State Finalist in the Fresh Science Award 2013. He was a finalist for the Melbourne Club Fellowship 2016 that recognises excellence in Research, Innovation and Leadership as well as being a finalist in the national Eureka Award for Promoting the Understanding of Australian Science Research.

He has observed local galaxies with one of the largest telescopes in Australia, the 64m Parkes dish (star of the film *The Dish*) and created baby universes on the fastest supercomputers in Australia.

He retains strong international links in the form of his membership with the world-wide OWLS and DRAGONS simulation collaborations, Co-Investigator of SABRE (the world's first dark matter detector in the Southern Hemisphere with teams in Italy, USA and Australia) and member of two top rated surveys on the next-generation \$200m Australian Square Kilometre Array Pathfinder.

He regularly speaks on topics such as

- Cosmology (Dark Matter & Dark Energy, the Expanding Universe)
- Galaxy Formation (The Milky Way, Nature of the First Galaxies and Stars)
- Solar System (Making Earth, the Phenomenon of Tides and Solar Eclipses)
- Night Sky (Sky tours, Indigenous astronomy)
- Physics (Particle physics / Large Hadron Collider, everyday science)

He is routinely invited to speak at science conferences and general public events, with dozens of school visits, a BBC Worldwide sponsored national tour of Australia discussing the Science of Doctor Who, describing Indigenous Astronomy at music festivals, Sydney Science Festival Ambassador and opening public lecture series, evening lectures at Science at the Edge series in Melbourne's Fed Square, SciTech and WA State Museum, as well as host for "An Evening with Brian Greene". Personal highlight has to be TEDx talk in *the* Sydney Opera House.

Alan has extensive experience in media, with 100 TV interviews for an international audience on *Al Jazeera*, *Sky News* and *ABC News 24*, as well as nationally on *ABC Breakfast*, *Ten's The Project* and *Weekend Sunrise* on 7. He has given >100 national radio broadcasts (*ABC RN*, *ABC Conversations*, *ABC PM*, *ABC World Today*, *ABC 774*, *ABC Drivetime*, *2UE Sydney*, *Triple R*, *3AW Drive*). In addition, he has been interviewed in all major newspapers across Australia (e.g. *The Age*, *Sydney Morning Herald*, *Herald Sun*, *The Australian*).

His articles and column on *theconversation* have been read over a million times and he also writes for *Cosmos*, Australia's most popular science magazine as well *ABC The Drum*. He has featured in renowned science publication *Nature* and was *Commbank's* "Australian of the Day", *Men's Style* "Men of Influence 2015" and *Sunday Times Magazine's* "Best and Brightest 2012" in WA.