

**FREE PUBLIC LECTURE**  
**7.30pm, 9<sup>th</sup> July 2013**

**Central 1 Theatre (Building 63)**  
**Monash University, Clayton Campus**  
**Wellington Road, Clayton 3800**

[moca.monash.edu/outreach](http://moca.monash.edu/outreach)



**Dr. Charles H. Lineweaver, ANU**

Charles Lineweaver is an associate professor at the Australian National University. His research involves analysis of the statistical distribution of exoplanets, the cosmic microwave background radiation, and cosmological prerequisites for the formation of terrestrial planets and life.

**2013 ASA Harley Wood / MoCA Public Lecture**

# **The Birth, Life and Death of our Planet.... and of the Universe**



Image Credit: 2001 A Space Odyssey (film)

People, planets, stars and even universes are born, they live for a while and then die. I will review what we know about the origin of the earth and the origin of the life on it – the coming extinction of this life and the death of the Earth and Sun. The second law of thermodynamics is relevant to the birth and death of the universe. I will try to explain why. The main goal of the lecture is to paint a picture of how we got here and how we fit into the universe.

**2013**

**ASTRONOMICAL SOCIETY of AUSTRALIA**  
**ANNUAL SCIENTIFIC MEETING**  
7th – 12th July

**HARLEY WOOD WINTER SCHOOL**  
4th - 7th July



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