

**1308<sup>th</sup> ORDINARY GENERAL MEETING  
AND  
THE 2021 POLLOCK MEMORIAL LECTURE**

**WEDNESDAY 23 NOVEMBER 2022 AT 6.30PM**

**GALLERY ROOM AT THE STATE LIBRARY OF NEW SOUTH WALES  
(ENTRANCE FROM SHAKESPEARE PLACE)**

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**AGENDA**

**1. WELCOME** – President, Dr Susan Pond AM FRSN

**1.1 Acknowledgement of Country**

**1.2 Diversity and Inclusion Statement**

**2. MINUTES**

Minutes of the 1307<sup>th</sup> Ordinary General Meeting held on 5 October 2022

**3. REPORT FROM COUNCIL AND COMMITTEES OF COUNCIL**

The President will provide a verbal report on matters emanating from the 16 November Council meeting.

**4. QUESTIONS**

**5. THIS EVENING'S PRESENTATION - 2021 POLLOCK MEMORIAL LECTURE**

**THE POLLOCK MEMORIAL LECTURESHIP** has been awarded from time to time since 1949 in memory of Professor J A Pollock, Professor of Physics at the University of Sydney (1899-1922) and a member of the Society for 35 years.

**MOST OF OUR UNIVERSE IS MISSING! - ADVENTURES IN THE DARK SIDE OF THE COSMOS**

**Professor Geraint Lewis, Professor of Astrophysics Sydney Institute of Astronomy  
University of Sydney**

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Born and raised in Old South Wales and with a passion for astrophysics, Geraint Lewis spends his time unravelling the dark side of the universe, the dark matter and dark energy that dominate the cosmos. His research focuses upon cosmology, gravitational lensing and galactic cannibalism, as well as exploring why our universe appears to be just right for complexity and life, publishing more than four hundred research articles. He also undertakes a broad array of awarding-winning science outreach, bringing the wonders of the cosmos to broad audiences through public speaking and writing, including publishing several world-renowned books on the mysteries of the cosmos

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Most of the cosmos, astronomers tell us, appears to be missing! They say it is dominated by an invisible dark side, dark matter and dark energy that have shaped the evolution of the entire universe. But why do astronomers believe there is this mysterious invisible cosmos surrounding us? In this talk, there will be a tour of the dark side, and explore the observations that reveal its presence. To understand the true nature

of dark matter and dark energy, we will delve into the wealth of ideas and theories, and the current experiments underway to separate the true contenders from the scientific also-rans. Finally, we will peer into the future to reveal the next steps physicists and astronomers will take in their quest to shine a light into our cosmological dark side.

**6. VOTE OF THANKS**

**7. CLOSE** – President, Dr Susan Pond AM FRSN