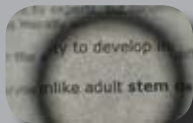




scinema



**Australia's International
Festival of Science Film
Video and Multimedia**

August 12 & 13

and

August 18, 19 & 20

Powerhouse Museum

& UTS, Sydney

OFFICIAL PROGRAM

Welcome to SCINEMA



From the geometry of the ancient Greeks to the discovery of radioactivity; from creating Winter Olympic champions to understanding the mass extinctions that almost killed life on Earth; from the birth of writing in Mesopotamia to how sound is decoded in the human brain.

Come and see science on film like you've never seen it before, with films narrated by actors Matt Damon and Ed Norton, and with visiting filmmakers like Germany's Joachim Pütz describing their craft.

This is SCINEMA 2006, the 6th International Festival of Science Film and Multimedia. Since its launch in 2000, SCINEMA has played to tens of thousands of people across Australia. For the first time, the competitive component of this travelling festival will be hosted in Sydney during National Science Week.

The finalists – 45 films from around the world – will compete for the 15 trophies, to be selected by a jury of science journalists and filmmakers, chaired by Wilson da Silva, editor of Cosmos magazine.

This year's theme is sustainability, and films range from following two young middle-class doctors to a remote island community, to an investigation of the link between toxic pollutants in the air and the health of our planet. Don't miss this event, for a limited time only!

For more information about SCINEMA visit our website www.csiro.au/scinema or email your question to scinema@csiro.au

WITH THANKS TO



Special Guests



SCINEMA Special International Guest Joachim Pütz ('Tree of Kings')

A freelance journalist for non-commercial German public radio and TV, Joachim is interested in communicating about the environment, developmental cooperation, politics and society. In recent years, he has produced many specials on foreign subjects, especially in Africa and Latin America. 'Tree of Kings' was his debut documentary. **Joachim appears 12.30pm Sun 13th Aug at Powerhouse Museum**

Paul Scott ('Devil Diary')

Paul Scott is one of Australia's most established wildlife and science film-makers - having worked as either executive producer, producer, director or writer on 33 hours of television. Paul's films have won several awards, including Wildscreen Pandas and a U.S. Emmy. **Paul appears 12.30pm Sat 12th August at Powerhouse Museum**

Ben Ulm ('When Anaesthesia Fails')

Ben Ulm has been making factual TV for 22 years for a range of broadcasters including Discovery Channel, National Geographic, Channel 4 (UK) and for Australia's commercial networks and the ABC. He studied broadcast journalism and documentary at Mitchell College AE, Bathurst. He was the co-executive producer of When Anaesthesia Fails which was produced with 10 other medical documentaries for American and British television. **Ben appears 7.30pm Friday 18th August at UTS Broadway**

Dick Collingridge ('Steam Motion')

Film is in Dick Collingridge's blood. Son of Australia's pioneer silent film actor Gordon Collingridge, Dick studies at North Sydney Technical College before heading overseas to jobs at London's ITS and Iraq's Beirut TV in the 1960s. Returning to Australia, he worked in production at ACB and Cinesound and Film Australia. 'Steam Motion' is a labour of love on the history of steam power in Australia, produced by his new company Dick Collingridge Productions'. **Dick appears 10am Sun 20th August at UTS Broadway**

Plus cast members from ABC TV's 'Catalyst'
Appearing 11.30am Sun 20th August at Powerhouse Museum along with scientists from CSIRO's Australian Telescope National Facility

All information in this program is correct at the time of printing. Gremlins do love a festival, though, so please check our website for festival updates.

OUR SPONSORS



Program



Saturday 12 August Screening at the Powerhouse

- 10am:** 'Maths, Physics & Astronomy'
12.30pm: 'Wildlife at Risk'
Speaker: Paul Scott
2.45pm: 'State of the Planet'

Sunday 13 August 2006 Screening at the Powerhouse

- 10am:** 'Sustainable Health'
12.30pm: 'Tree of Kings'
Speaker: Joachim Putz
2.45pm: 'Inventions and Discoveries'

Saturday 19 August 2006 Screening at the Powerhouse

- 10am:** 'Short Films, Student Films'
12.30am: 'Head in the Stars, Mind in the Gutter'
2.45pm: 'Beyond Science'

Sunday 20 August 2006 Screening at the Powerhouse

- 10am:** 'Kids Science TV'
11.30am: 'Catalyst in Space'
Speaker: Richard Smith (tbc)
1.30pm: 'What is Science Film?'
2.45pm: 'Quantum Physics and Weapons of Mass Destruction'
6pm: Closing night party
(Invitation only)

Pricing : All sessions at UTS are FREE

Special **SCINEMA 4 Day Pass** available for Powerhouse Museum sessions - Purchase your regular Museum admission then come to the **SCINEMA** registration desk to collect your 4 Day Pass. Museum admission: Adult \$10/ Child \$5 / Seniors / Pensioners-free / Family \$25 / Conc \$6

Friday 18 August 2006 Screening at UTS Broadway

- 7.30pm:** 'The Heart and The Honor'
Speaker: Ben Ulm

Screening at UTS Broadway

- 10am:** 'Adaptation'

Screening at UTS Broadway

- 10am:** 'Steam Motion and Strange Days'
Speaker: Dick Collingridge

Venues



Powerhouse Museum

500 Harris St, Ultimo, NSW. Ph 02 9217 0111
Daily 10am - 5pm

SCINEMA screens in the Coles Theatre at Powerhouse. Admission to SCINEMA is free with regular Powerhouse Museum admission prices. A special 4 day SCINEMA pass is available upon request - ask at the ticket counter:

How to find the Powerhouse Central Station is the closest railway station to the Powerhouse Museum. From Central Station take the eastern exits to Railway Square/George Street. Turn left at Railway Square and walk to Harris Street which is on the right. For timetables visit (train) www.cityrail.nsw.gov.au and (bus) www.131500.com.au (ferries) www.sydneyferries.nsw.gov.au For Monorail and Lightrail, get off at the Paddy's Market Station and walk up the steps and over the foot bridge to the Powerhouse Museum. Parking - A special parking deal is available for Powerhouse visitors at the Entertainment Centre Car Park. You can park all day (until midnight), seven days a week for \$11.50 per day. Bring your car park ticket to the admissions counter in the Museum for validation to receive the discount when you pay at the carpark.

UTS Broadway

University Hall, University of Technology, Sydney
Level 1, UTS Science Building, Harris Street, Ultimo.

Entrance to University Hall is opposite 702 - 730 Harris Street. All sessions at UTS are free admission.

How to find UTS Broadway Central Station is the closest railway station to the UTS. After alighting at Central Station take the eastern exits to Railway Square/George Street. Turn left at Railway Square and walk one block to the UTS Broadway campus which is on the right. As per directions above, UTS is a short 2-minute walk from the Powerhouse Museum along Harris St Ultimo.

Looking for accommodation for SCINEMA?

We recommend visitors to SCINEMA visit our kind sponsor: YHA have 9 hostels in and around Sydney. The Sydney Central YHA at 11 Rawson Place and Railway Square YHA at 8-10 Lee Street are both a short walk from both our venues. Visit www.yha.com.au



Screens 10am Saturday 12 August @ Powerhouse

'Maths, Physics & Astronomy'

Meta4 - Shot on mobile phone technology, explore the meaning of 'four/fore/for/4'. 1½m D. Katrina Mathers

The ExperiMentals - Bernie and Rueben go to no expense to get you hooked on science. 5m D. Chrissie McIntyre

When things get small - The quest to create the smallest magnet ever known. 28m D. Rich Wargo

Mesh - Discrete geometry for the novice. 39m D. Beau Janzen

Transit of Venus - The story of the race to piece together true spacial distance. 25m D. Rakesh Andiana/Dimple Kharbanda



Screens 10am Sunday 13 August @ Powerhouse

'Sustainable Health'

Our Hearing System: From Sound to Cilla A 3D journey through the world of sound. 27m D. Robert Caldwell

Shaken - A young man suffering from Parkinson's Disease decides on 14 hours of brain surgery that is a cross between the Bionic Man and The Far Side. The results are incredible, riveting, mysterious. 27m D. Deborah Fryer

Crossing the Line - Two young medical students leave their safe middle class homes to be thrust into the harsh reality of life on Mornington Island. 56m D. Kaye Harrison



Screens 12.30pm Saturday 12 August @ Powerhouse

'Wildlife at Risk'

Suzie, Gracie and BB - Join Suzy as she works to rehabilitate two sugar gliders. 10m D. Matthew Higgins

Devil Diary - Go behind the scenes of the World's largest Tasmanian Devil Sanctuary to experience the everyday dramas of the park staff as they care for Tasmanian devils, witnessing the variety of ways that they interact with the staff. 53m D. Paul Scott
FILMMAKER PAUL SCOTT PRESENTS AUDIENCE Q&A IN THIS SESSION

State of the Planet's Wildlife - Narrator Matt Damon explores the threats facing our wildlife - namely, us. 55m D. Hal Weiner



Screens 12.30pm Sunday 13 August @ Powerhouse

'Tree of Kings'

In Ugandan legend, the first hunter was born out of the Mutuba tree, then clothed himself in its bark. For millennia, the Ugandan people have painstakingly processed the Mutuba bark into a fabric akin to a rough cotton or suede. The tradition was in danger of dying out until a German man and his Ugandan wife began investing in technology to take the cloth to the European fashion markets and provide a sustainable future for many in Africa.

SCINEMA SPECIAL GUEST - GERMAN FILMMAKER JOACHIM PUTZ PRESENTS THIS SESSION AND WILL ANSWER QUESTIONS FROM THE AUDIENCE ABOUT THIS REMARKABLE STORY AND HIS FILM



Screens 2.30pm Saturday 12 August @ Powerhouse

'State of the Planet'

Five Seasons - The Numurindi people of the Northern Territory's Gulf of Carpentaria have developed a culture where all things past and present, including the weather, are interrelated. A relationship extending to previous generations, the animal and plant kingdoms. 52m D. Steven McGregor

Future Conditional - The global link between the release of toxic pollutants and the health of our planet - meet the communities at risk. 55m D. Hal Weiner



Screens 2.30pm Sunday 13 August @ Powerhouse

'Inventions & Discoveries'

Word (Slovo) - The search for the origin of the written word. English subtitles 29m D. Vyacheslav Prokopenko

Discovery of Radioactivity - The story of the discovery of radioactivity by figures such as Henry Becquerel, Marie and Pierre Curie and Frederic Joliot. 22m D. Rakesh Andiana/Dimple Kharbanda

Nerves of Steel - Skeleton: one of the most dangerous and demanding sports there is. Four fearless young women hurdle towards the 2006 winter Olympics in a bold Australian scientific experiment to create a champion. 56m D. Andrea Ulbrich



Screens 7.30pm Friday 18 August @ UTS Broadway

'The Heart & The Horror' 107mins

When anaesthesia fails - investigates the efforts being made by anaesthetists around the world to crack the mysteries of anaesthesia. We relive the nightmarish experiences of patients who've regained consciousness and pain perception while under anaesthetic. The results may astonish you. *BEYOND FILMS PRODUCER BEN ULM PRESENTS THIS SESSION AND WILL ANSWER QUESTIONS FROM THE AUDIENCE*

Kardia - Hope discovers that the experimental heart operation she underwent as a child had mysteriously linked her life with another. To unlock the secret of her past, Hope explores the landscape of love, loss and the human heart. *84m D. Paul Barkin MA*



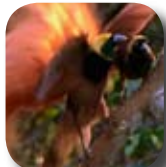
Screens 12.30pm Saturday 19 August @ Powerhouse

'Head in the Stars, Mind in the Gutter' 124mins

Sex in the Bush: The Rules of Engagement - A light-hearted romp through the weird and wonderful sex lives of Australia's native wildlife. *24m P. Emma Ross*

The Talking Star - Twenty years of studying a distant, nameless star and deciphering its strange light emissions by astronomer Chris Waelkens has changed astronomers' views on the life of stars. *40m D. Jacquei Servaes*

In the Shadow of White Mountain - The research and the researchers at North America's highest research station *60m D. Rich Wargo*



Screens 10am Saturday 19 August @ Powerhouse

'Short Films, Student Films' 115mins

Butterfly Man *6m Samantha Rebillot +*
What Candance Saw *10m Luke Walker +*
The Warburton Monster *5m Luke Walker + You Don't Have a Can Opener* *2m Jasmine Marosvary +*
The Photosynthesisist *8m Grantley Smith +*
All *3m Arturo Menchaca + The Fence (El Cerro)* *12m Nacho Martin & Ricardo Iscar + Winter Road* *16m Matthew Higgins +*
Solipsist *12m Christopher Baron + A Stem Cell Story* *10m Cameron Duguid + Scentsory Design* *6m Jenny Tillotson +*
Perfect Square *20m Catherine Clover*

Visit www.csiro.au/scinema for more info about this program



Screens 10am Saturday 19 August @ UTS Broadway

'Adaptation' 112mins

Triumph of Life: the survivors

Climate change, the birth of more highly evolved life forms, and changes in ocean currents are just a few of the factors that can play a major role in determining which species will remain triumphant over the coming millennia. *60m D. Nick Upton*

Surviving Extremes - Survival in the lethal environments of the Antarctic and space give rare insights into what personalities will cope best with future trips to Mars. *52m D. Daniel Parer*



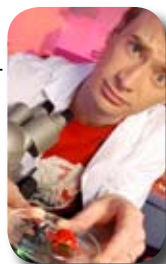
Screens 10am Sunday 20 August @ Powerhouse

'Kids Science TV' 60mins

Scope - Dr Rob tackles a different topic every week, tears it apart, explores it, then relates to our everyday lives before catapulting the concept into the realms of technology and the future. *24m*

Backyard Science - Rips science out of the classroom and hurls it into the real world. Our team of kids give dry science a shake-up, showing others that science is a part of everyday life... & it's fun! *15m*

Hum Honge Komyaab - Commissioned by the Indian Government to encourage scientific interest and innovative abilities in students. *25m In Hindi with Subtitles*



Screens 10am Sunday 20 August @ UTS Broadway

Steam Motion & Strange Days

Steam Motion (10am) A closeup look at the history & diversity of steam power. 30m D. Dick Collingridge - MEET FILMMAKER DICK COLLINGRIDGE AT THIS SESSION

Strange Days on Planet Earth (11am) - Frogs are vanishing in America's heartland, Canadian beluga whales are mysteriously dying in the Saint Lawrence River and swarms of sea stars are overrunning parts of Australia's Great Barrier Reef. Are these signals that something is amiss in Earth's water - from our marshes to the sea? Has water become a massive delivery system for pollutants? 55m D. Drew Takahashi



Screens 2.45pm Sunday 20 August @ Powerhouse

'Quantum Physics & Weapons of Mass Destruction' 115mins

Dr Teller's Very Large Bomb tells the story of Dr Edward Teller, the self-proclaimed 'father of the hydrogen bomb'. 57m D. Michael Lennick

The Copenhagen Interpretation - To this day prominent physicists disagree about the wider consequences of Neils Bohr's Copenhagen Interpretation and what is to be understood by reality. 'The world cannot be that weird' stated Albert Einstein about Bohr's philosophical lesson. 27m D. Deborah Fryer



Screens 11.30am Sunday 20 August @ Powerhouse

'Catalyst in Space' 100mins

Planet of the Rings - Saturn, girdled by its mighty rings, is the most instantly recognisable yet least understood of the planets. 26m D. Richard Smith

Descent to Titan - Catalyst reporter Richard Smith was at mission control in Darmstadt Germany when, on Friday 14th 2006, the Huygen Probe began a fiery 3 1/2 hour descent to the surface of Titan. 26m D. Richard Smith



MEET CATALYST REPORTER RICHARD SMITH (TBC) AND STAFF FROM CSIRO'S AUSTRALIA TELESCOPE NATIONAL FACILITY AT THIS SESSION

6pm - 8pm Sunday 20 August @ Powerhouse

Closing night party

All films screening in SCINEMA 2006 are finalists, and eligible for some great prizes. Winners are announced at our closing night party - including Best Film, Best Australian Science Television, Best Animation and Best MultiMedia. Rub shoulders with our Jury - including Cosmos Magazine Editor Wilson da Silva, German filmmaker Joachim Putz & National Geographic Channel's Amanda Farrar. Entry invitation only. ***WIN TWO TICKETS TO THE SCINEMA CLOSING NIGHT PARTY*** Come along to our sessions at UTS or the Powerhouse and vote for your favourite film. One lucky punter will have their name drawn.



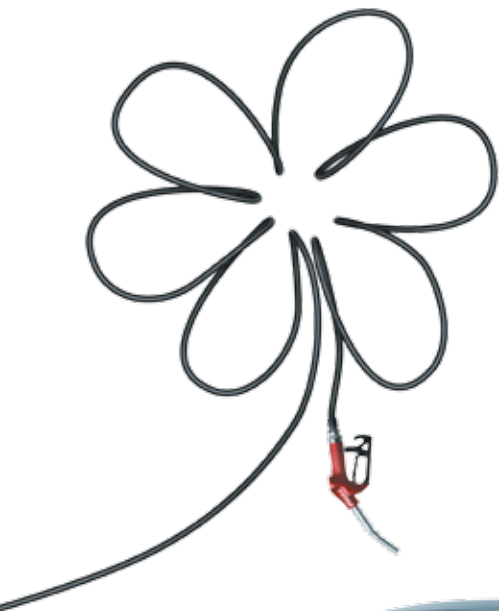
1.30pm Sunday 20 August @ Powerhouse

'What is Science Film?': A Panel

Discussion Cosmos Magazine Editor Wilson da Silva, Chair of the SCINEMA 2006 Jury leads a discussion with industry professionals, filmmakers, documentarians and scientists about: what makes a film a 'science film' - is it as simple as anything that vaguely touches the sciences? Is a news story a science film? What about the psychology of reality television? Have your say.

Jump online to interact with the entries in our multimedia competition & Vote for your favourite
www.csiro.au/scinema

SCINEMA is a partnership of the CSIRO, Cosmos Magazine and National Museum of Australia. Funded by our kind sponsors, SCINEMA occurs through the hard work of our volunteers and the staff of our partner venues. Technical Director - Damian Harris. Advisory Committee - Wilson Da Silva, Kylie Ahern, Daina Harvey, Cris Kennedy, Christine Cansfield-Smith. Screening panel - Dominic Buchanan, James Mackey, Arthur Read, Leanne Dempsey, Cris Kennedy, Adam Zaborszczyk, Clinton Cashen, Kate Murphy. Interns - Shane Mitchell, Katharina Zickler. With thanks to Chris Brown & Natasha Sullivan at Peugot; Amanda Farrar; Julie Jensen & Miranda Stojanovski at National Geographic Channel; the staff of UTS and The Powerhouse Museum (especially Michael van Tiel and Mary Mulcahy); the NSW Office of Science & Medical Research; Lara Lloyd, Pauline Brown & Paul Dobson & the team at the National Science Week Office; to our filmmakers and their families; and the hard-working National Science Week coordinators across the country and the staff at our venues... Many thanks to all - Cris Kennedy, Festival Director. The films in this Festival are exempt from classification under Section 5B of the Classification (Publications, Films and Computer Games) Act 1995



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