

## Bone Compression of Horse Trabeculae

Anthony Jones  
Applied Mathematics, ANU

Ajay Limaye  
ANU Supercomputer Facility Vialab



## Fossil whale uncen

Gevin Young  
Department of Earth and Marine Sciences, ANU

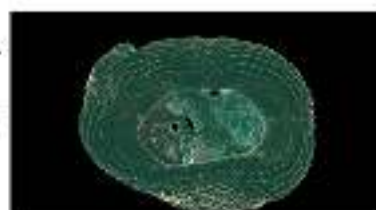
Ajay Limaye  
ANU Supercomputer Facility Vialab



## Ossified optic capsule of placoderm fish

Gevin Young  
Department of Earth and Marine Sciences, ANU

Ajay Limaye  
ANU Supercomputer Facility Vialab



## Human Hip Bone

Anthony Jones  
Applied Mathematics, ANU

Ajay Limaye  
ANU Supercomputer Facility Vialab



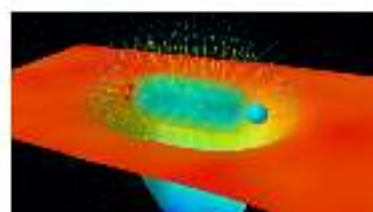
## 6dF Galaxy Survey: Beyond the Crux

Visualisation: Paul Brunker  
Auditor: Peter Munn, Glenn Rogers  
WASP, University of Western Australia



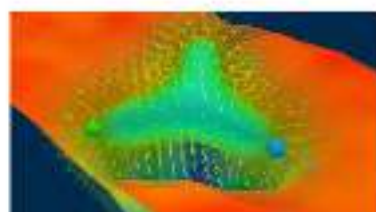
## Quantum Chromodynamic Field Structure of the Vacuum

Derek Leinweber, Peter Munn  
CMSD Lattice Collaboration  
University of Adelaide



## Gluon Flux Distribution within the Proton

Derek Leinweber  
CMSD Lattice Collaboration  
University of Adelaide



## Effects of Electric Field Stress on Protein Conformation

Akio Inaki, Y. Sae Iizaga, Yuna Yamashita  
Ryukyu University

Herbert Treutlein  
Cytosol Pty Ltd



## Volumetric rendering of Shale Rock

Rob Hough (CSIRO Exploration & Mining)  
Ben Clewett (CSIRO Petroleum Resources)

Andrew Squelch  
VUE



## Volumetric rendering of an Acacia plant stem

Rob Hough (CSIRO Exploration & Mining)

Andrew Squelch  
VUE



## Egyptian Mummy

MCSA  
(Museum of Old and New Art)  
Hobart

Paul Brunker  
WASP, University of Western Australia



## 3D reconstruction from stereoscopic photograph pairs

Florian Fuchs and Klaus Greiner  
School of Earth and Geographical Sciences  
University of Western Australia

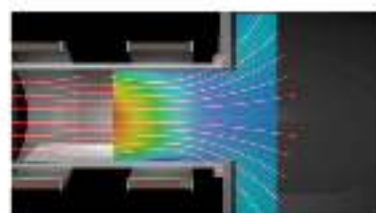
Ulrich Dieckert  
University of Mainz, Germany



## Magnetic Field Studies for Plasma Thrusters

Wes Cox  
Space Plasma and Plasma Propulsion (SP3) ANU

Rhys Hawkins  
ANU Supercomputer Facility Vialab



## Sennatra 8.2 Magnitude Earthquake

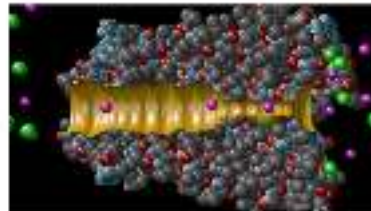
Malcolm Sambridge  
Research School of Earth Sciences, ANU  
Phil Cummins  
Geoscience Australia

Rhys Hawkins  
ANU Supercomputer Facility Vialab



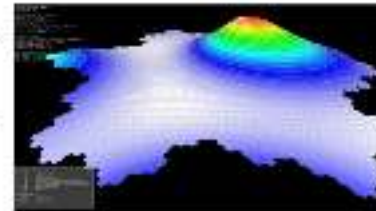
### Potassium Ion Channel Molecular Dynamics Simulation

Shin-Ho Chung  
Research School of Biological Sciences, ANU  
Rory Lowrie  
ANU Supercomputer Facility Vialab



### Transmission of waves through the neurons of the cortical mantle

James Walsh,  
Figgins Institute, University of Auckland  
Paul Berridge  
WASP, University of Western Australia



### N-body Stellar Cluster Simulation

David G. Bensus and Jamal B. Farley  
Swinsburne University of Technology



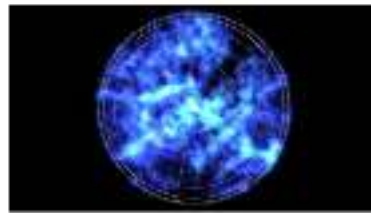
### The Milky Way Galaxy and its Satellites

David G. Bensus and Duncan A. Forbes  
Swinsburne University of Technology



### The 6dF Galaxy Survey

Visualisation by Christopher J. Drake  
Swinsburne University of Technology



### Supercomputer simulation of Nano-Molecular Motors

Alexe Dejosses, Ming Liu, Richard Soder  
Morse, Di Cao Le  
Swinsburne University

Paul Berridge  
WASP, University of Western Australia



### Buolardy Station: MIRA Radio Telescope Site

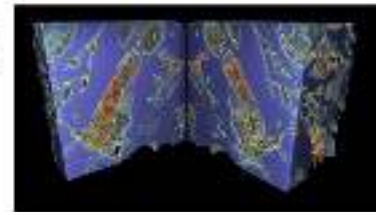
Paul Hensley  
WASP - Communications Studies - Physics  
University of Western Australia  
Photography: Peter Morse



### Vector field of Brownian particles diffusing through a porous limestone

Christoph Amm  
Applied Mathematics, ANU

Ajay Limaye  
ANU Supercomputer Facility Vialab



### Pece-Thrust network of a porous limestone

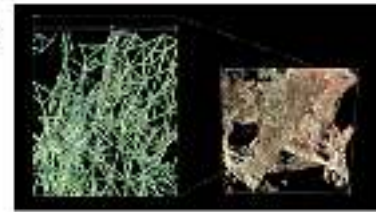
Adrian Shepard  
Applied Mathematics, ANU  
Ajay Limaye  
ANU Supercomputer Facility Vialab



### Micron sized fissures in dolomite Rendering Pece-Thrust network with ScreenLens

Auke Denissen  
Research School of Earth Sciences, ANU

Ajay Limaye  
ANU Supercomputer Facility Vialab



### Seismic Wave Propagation

Phil Greening  
Geoscience Australia  
Drew Whitcombe  
ANU Supercomputer Facility Vialab



### Tsunami Impact Modelling

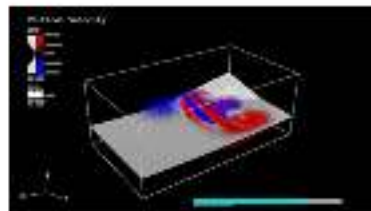
Ulf Nielsen  
Geoscience Australia  
Australian Emergency Management Committee  
Catastrophic Disaster Working Group

Drew Whitcombe  
ANU Supercomputer Facility Vialab



### Vortices & Topography

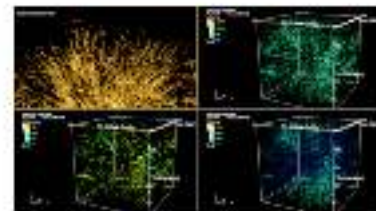
William K. Dewar  
Florida State University  
Andrew McC. Hogg  
Australian National University  
Drew Whitcombe  
ANU Supercomputer Facility Vialab



### Starburst-Driven Galactic Winds

Jackie Cooper & Geoff Bicknell  
ANU, Research School of  
Astronomy and Astrophysics

Drew Whitcombe  
ANU Supercomputer Facility Vialab



### Realtime visualisation of HPC PBS Queues

Paul Berridge  
WASP, University of Western Australia



### Antarctic Virtus

Peter Morse  
University of Western Australia



