



Damian O'Brien

Lecturer: 3D Modeling & Animation

Art, Technology & Everything In Between



Structure Of My Talk

THE UNIVERSITY OF
NEW SOUTH WALES



COLLEGE OF FINE ARTS



About the college & its equipment



Teaching 3D & student work



Problems solved

About The College

THE UNIVERSITY OF
NEW SOUTH WALES



COLLEGE OF FINE ARTS



COFA is an arts college with schools in Art, Art History & Theory, Art Education and Design



Students of any discipline can enroll in 3D



It's the first focused delivery of 3D modeling & animation




Our Equipment & Software



44 B/W G3's 320MB, 35 iMac's

7 G3 Media 100's



Lightwave/Photoshop/Illustrator/
Fireworks/Quark/Premiere/Director
Dreamweaver/Pagespinner/
ProTools/Pagemaker

Our Equipment & Software

THE UNIVERSITY OF
NEW SOUTH WALES



COLLEGE OF FINE ARTS

Assimilator used to manage labs



Access to a wide range of video editing, sound editing, sculpture, Painting & Drawing facilities



Students & Their Interests

THE UNIVERSITY OF
NEW SOUTH WALES



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No previous experience with 3D modeling & animation



Wide range of skills, students were majoring in a variety of areas



Necessary to develop a method of running the class that would benefit as many as possible

Approach To Class

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Project Based, encouraging
incorporation of other skills



Output from the class used in web
pages, still images, personal
show-reels & product design

Example Of Workflow



Work created on G3's using
Lightwave & other equipment

Network rendered to G3 server
(Storage necessary)

Edit on the G3 Media 100's,
encode using Media Cleaner

Output to destination device



Network Rendering

(AKA thank goodness for Applescript)



Creating a render farm using
Lightwave on a Mac = #!&*^\$:(



Network rendering offers large
increases in the productivity of our
hardware



A procedure of automation needed
to be designed



Network Rendering

(AKA thank goodness for Applescript)



Solved using a combination of
Applescript & Keyserver



Activated by the global time
synchronizer used in labs (CronD)



Problem solved, without
Applescript it could not happen



Conclusion



Fine Arts & Fine Technologies are
not mutually exclusive



3D looks to have a very bright
future on the Mac



When all else fails, build one
yourself ;)