



Project Title: **LR5 Submersible Rescue Vehicle  
Animation and Multimedia CD**

Student name: **Ian Peters**  
Level: **Year 3 BA(Hons)**  
Course: **Information Illustration**  
Advisor/Instructor: **Mike Tully**  
Principal Investigator: **Mike Tully**  
Department/School: **School of Art & Design,  
Blackpool and The Fylde College,  
Blackpool, Lancashire, UK**

**Jury Comments:**

This formidable footage is document of extraordinary effectiveness. The story line, the level of detail of the objects, the lighting effects, the virtuosity of the camera use, the presentation make this a product of superior quality on all fronts.

• **Pierluigi Serraino**

**Summary description of project:**

The LR5 is a vehicle designed to rescue submariners from stricken submarines. Development of the LR5 project is based in a small town in the North West of England and run from the headquarters of James Fisher Rumic Ltd on behalf of the Royal Navy. The LR5 hit the headlines recently when it was on standby to rescue the Kursk nuclear submarine, unfortunately due to political red tape it was unable to be launched.

This student's interest in the subject matter stems from his childhood growing up in a town based upon the submarine building industry, particularly the British Trident class vessel. The intention of the animation and multimedia CD-Rom was not to show how the submarine works but how it is used. The project was one of three practical units in the student's third year of the BA(Hons) Information Illustration Course. He was able to combine the modelling capabilities of **form•Z** with the animation facilities of Lightwave and, although he produced the animation on relatively low-powered computers (500Mhz G4 Macs), he was able to put the required realism into the scenes through good attention to detail and the enterprising use of post processing with Adobe After Effects. His detailed research into the LR5 allowed him to study the vessel's dynamics in order to replicate the slow and considered manoeuvres of the unit.



**Reasons for the nomination:**

The student's passion for producing as accurate a representation of the LR5 as time would allow encompassed the dangers of a launch and the solitude of the solo descent into the abyss. His use of lighting, texture maps, special effects and particle systems serve to enhance the feeling of trepidation that must accompany such a descent. His final animation displays great imagination and presence, it would not be out of place in many professional documentaries. The final animation scene was repurposed both for full frame DVD and for multimedia use. All the digital video editing and sound effects were done using Final Cut Pro. Finally to bring a little light relief to the subject and perhaps to emphasise the difficulties in manoeuvring these vessels the student produced a simple interactive game as part of the CD-Rom.

