

## ***Restoratie: real-time restoratie van film***

### **Keywords**

Film, restoratie, content management

### **Probleemstelling**

Video archives are an irreplaceable part of our heritage, containing the cultural and historical records of more than a century of events and entertainment captured on film and on television. However, most storage media – film stocks in particular – are subject to degradation with time and damage through use. Of the many millions of hours of material currently held in archives, much has deteriorated beyond the point at which it can be viewed without causing annoyance to the viewer. Restoring all of the damaged footage available would be prohibitively expensive and time-consuming using existing methods. Therefore the need for a real-time method of restoring the millions of hours of material currently locked in the archives.

### **Technisch probleem**

The development of a powerful, fast and effective video restoration system combining a high degree of flexibility with a real-time processing capability.

### **Soort oplossing**

A demonstrator of a real-time restoration system ARCHANGEL that was developed by Snell & Wilcox on the basis of the results of the European AURORA (AUtomated Restoration of ORiginal film and video Archives) research program. The main functionalities of the ARCHANGEL are based on research performed at the TUDelft in the course of the AURORA project.

### **Vergelijking met bestaande oplossingen**

Compared to other restoration systems, the ARCHANGEL is most complete regarding the number of functionalities that are realized in real-time.

### **Potentiële afnemers**

Film archives, broadcasters, content providers

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ARCHANGEL by Snell & Wilcox: Real-time film restoration system