

Thursday, August 3, 2017

09:00 – 12:00

Hall F

**How to Digitize and Rejuvenate Old Movie Films
Using Special Transfer Equipment and
Available Color Correction Software
A MULTIMEDIA WORKSHOP**

with

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As the development of photographic film is strictly a chemical affair, old movie films are subject to external influences. If not properly preserved, environmental effects such as radiation, oxidation, temperature, and humidity can be destructive to photographic material.

Since our immigration to the United States in 1959, we have filmed tens of thousands meters of 16mm silent movies with our Bolex Camera. In addition, we inherited many more of my long-time companion in aviation, Dieter Schmitt that he had shot during his many record flights all around the world. The results were numerous films about our family life and aviation. Most of them were silent but could have added a magnetic sound track to it.

To overcome deterioration of our filmed memories, we ventured into the realm of film preservation through digitization. A Tobin Video Transfer TVT-16 system is employed in combination with a Canobis analog-to-digital converter and/or transferred directly to a Sony digital camera. Subsequently, the digitized video is imported into the computer and edited with Pinnacle's "Studio" software. This program is very powerful and allows the addition of sound such as, music clips and verbal comments. Colorful transitions can be imported to liven up the monotony of straight movie films. Static as well as running text can be added.

This workshop is conceived to discuss the techniques of digitizing and rejuvenating old movie films that includes demonstration of some practical examples. Some of them are worth not just for personal reasons but have historical value. Indeed, we are currently working on a video about the 1970 World Soaring Championship in Marfa Texas - a quasi-Olympic event - where our family met with Neil Armstrong, the first man on the moon; integrated into the video is a still picture of Uwe coaxing an autograph from Neil. There appears to be no other visual record of this event where highly sophisticated new aircraft was flown on the world stage. Another one is the story of "The Explorer, N29J", a sailplane that was used for cloud research during the National Hail Research Experiment (NHRE) of 1972, I took part with my LS1b sailplane to measure the atmospheric electric field in and around thunderstorm clouds with some interesting scientific results.