**22nd SEAPAVAA Conference and General Assembly**
**"AV Archiving Beyond Boundaries"**
**7th - 12th April 2018**
**Bangkok, Thailand**

**Workshop Title**
*"Open Source for Archives"*

**Date**
7th and 8th April 2018

**Time**
09:00 - 17:00

**Venue**
Executive 2 Room
Pathumwan Princess Hotel

**Maximum Number of Participants**
30

**Fee and Registration Details**
To be advised

**Workshop Synopsis**
For several years, some open-source software has been developed that can be used by the archival community in general and the audiovisual archiving sector in particular, as well by other intended end-users. On the one hand, such software provides effective and reliable solutions, especially for less-resourced institutions. On the other hand, open-source software means that the source code is also publicly available and can thus be improved upon by skilled archivists.

The two-day workshop aims to demonstrate how to efficiently use a selection of these tools. It will alternate between theory (one third) and hands-on (two thirds). The topics to be discussed include:

- a refresher on audio-visual file formats
- dealing with different file formats by using FFmpeg
- analysing the technical characteristics with MediaInfo, MediaConch and FFmpeg
- checking file quality with QCTools
- sound-track extraction with AEO-Light
- producing a DCP with DCP-o-matic
- digital preservation: checksums, fixity, data migration

Participants are expected to bring their own laptops, in order to be able to work with some of the referenced software (participants will receive detailed instructions for installation prior to the workshop). Files to work with will be provided by the workshop presenters, although participants are encouraged to bring a hard-disk drive or USB stick of their own files.

**About the Workshop Presenters**



Having graduated in mathematics and computer science, **Reto Kromer** became involved in audio-visual conservation and restoration more than 30 years ago. He was head of preservation at the Swiss National Film Archive and lecturer at the University of Lausanne and also the Academy of Fine Arts Vienna. He has been running his own preservation companies, as well as lecturing at the Bern University of Applied Sciences. His current research includes colour spaces, LUTs (look-up tables) and codec programming and emulation.



**Joshua Ng** is the Information Technology (IT) & Technical Executive at the Asian Film Archive (AFA). He oversees the planning of AFA's IT systems. His passion towards audio-visual archiving stems from the intersection of his love for technologies and his belief audio-visual materials forming an important part of our cultural heritage. His research interests include social media data analytics, audio-visual archiving workflows and digital preservation technologies.