

1st International Workshop on Standards and Technologies in Multimedia Archives and Records (STAR)

26th - 27th April 2010
EPFL Lausanne, Switzerland

The Multimedia Signal Processing Group of EPFL and Ecma International are happy to announce the “1st International Workshop on Standards and Technologies in Multimedia Archives and Records (STAR)” to be held 26th - 27th April 2010, at EPFL in Lausanne, Switzerland

The ability to effectively manage and protect digital multimedia content in creation, collection, preservation, and dissemination is increasingly crucial as digital technology continues to produce vast amounts of valuable and irreplaceable knowledge and information. The amount of such digital multimedia information is already huge, but as we speak it is still growing at unbelievable speed and to gigantic amount of such information. The big questions are: Can data generated yesterday be searchable and displayable by hardware and software today and in future? Will digital content created today be accessible and presentable throughout its lifecycle (i.e. also tomorrow)? How to deal with the large number and quite different incompatible multimedia archives? How to ensure some level of interoperability among them? What are the requirements for multimedia long term archival in general? What do we cover today in standards and what and where are the gaps?

The STAR Workshop takes place just before the “8th European Conference on Digital Archiving – ECA 2010” which will be held from 28th-30th April 2010 in nearby Geneva. STAR is centered on technological, scientific, and standardization challenges around physical and logical archival and preservation of multimedia content. It includes presentations of archival and preservation projects and use cases, user requirements, latest state of the art as well as emerging technologies for archival and preservation, stock taking of current and future standards used and useful in archival and preservation, investigations in standardization gaps, and identification of needed future standardizations.

Key Topics

The workshop will address with invited talks and panel discussions the following key topics:

- End user requirements on preservation methods and formats
- Digital archival projects – user expectations and experiences
- Technical frameworks and architectures for multimedia archives
- Trends in data modelling
- Progress in digital preservation methods and archival formats
- Interoperability issues and standardization efforts

Hosts

Ecole Polytechnique Federale de Lausanne (EPFL)
Institute of Electrical Engineering IEL
Multimedia Signal Processing Group MMSPG
CH-1015 Lausanne, Switzerland

Ecma International
Rue du Rhone 114
CH-1204 Geneva, Switzerland

Meeting Location

EPFL- Salle Polyvalente, CH-1015 Lausanne, Switzerland

Registration:

Online-registration is available at <http://mmspl.epfl.ch/page38962.html> .
Workshop fee is CHF 100,--

Transportation & Accommodation:

Directions and hotel list are available at
<http://mmspl.epfl.ch/page31935.html>

- Web Site:** Agenda updates, logistics and news, can be found at <http://mmspl.epfl.ch/page38962.html>
- Contact** Isabelle Walch, Ecma International,
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E-mail: isabelle@ecma-international.org
- Related Events**
- ISO/IEC JTC1/SC29 WG11 (MPEG) Meeting, 2010-04-19/21, Dresden, Germany
 - European Conference on Digital Archiving (ECA), 2010-04-28/30, Geneva, Switzerland
- Program Committee:**
- Touradj Ebrahimi, EPFL, Switzerland
 - Istvan Sebestyen, Ecma International, Switzerland
 - Bernard Hammer, Siemens AG, Germany
 - Isabelle Valet-Harper, Microsoft, USA
 - Pierre-Andre Probst, PROBST ICT Consulting, Switzerland
- Important Dates:**
- 2010-01-20: Publication of STAR workshop announcement (Flyer)
2010-01-22: Agreement on invited talks
2010-03-31: Deadline for abstract submission of presentations
2010-04-09: Final workshop program
2010-04-21: Deadline for full presentation material
2010-04-22: Deadline for on-line registration of participants

Agenda

Day One – Monday, April 26th, 2010

- 08:15h **Registration & Coffee**
09:00h **Welcome & Introduction by Touradj Ebrahimi and Istvan Sebestyen**
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Session 1: Digital Archival Projects – Part 1

Chairperson: **Touradj Ebrahimi**, Head of Multimedia Signal Processing Group, EPFL, SWITZERLAND

- 09:30h **Use of JPEG2000 in preservation**
Richard Clark, ELYSIUM Ltd., UK
- 10:00h **Million Books Digital Library Project – From books to multimedia**
Tiejun Huang, Deputy director Institute of Digital Multimedia Technology , Peking University, P. R. CHINA
- 10:30h **Montreux Jazz Festival digital archives project**
Frederic Dufaux, EPFL, SWITZERLAND
- 11:00h **Coffee & Refreshments**
- 11:30h **Efficient film digitization and restoration**
Jean-Pierre Gehrig, CEO, Cinetis SA, SWITZERLAND
- 12:00h **Searching in video sequences– core technologies in THESEUS**
Thomas Riegel, Project Manager, Corporate Technologies, Siemens AG, GERMANY
- 12:30h **Lunch Break**
- Social Program**
Visit of Gruyères
- 14:00h Bus pick-up at EPFL (place de livraison) for Gruyères
- 15.30h Guided visit of Château de Gruyères (<http://www.chateau-gruyeres.ch/e/index.html>)
- 16.45h Multimedia show (<http://www.chateau-gruyeres.ch/e/multimedia/spectacle.html>)
- 17.15h Free visit of the city (<http://www.la-gruyere.ch/en/welcome.cfm?>)
- 19:30h **Dinner at Café-Restaurant des Remparts**
(<http://www.remparts-resto.com/>)
- 21.30h Bus pick-up for return to Lausanne
- 22.40h Arrival in Lausanne

Day Two – Tuesday, April, 27th, 2010

08:15h **Registration & Coffee**

Session 2: Technical frameworks & architectures for multimedia archives

Chairperson: **Istvan Sebestyen**, Secretary General, Ecma International, SWITZERLAND

- 09:00h **Long term preservation of digital content in analog supports**
Lukas Rosenthaler, University of Basel, SWITZERLAND
- 09:30h **Magnetic tape storage and the growth of archival data**
Jens Jelitto, IBM, SWITZERLAND
- 10:00h **New hardware and software system for long term preservation DVDs – write once read forever**
Douglas P. Hansen, Millenniata, USA
- 10:30h **Coffee & Refreshments**
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Session 3: Progress in Digital Preservation Methods and Formats

Chairperson: **Pierre-Andre Probst**, Founder, Probst ICT Consulting, SWITZERLAND

- 11:00h **JPEG 2000 archive profile**
Siegfried Foessel, Fraunhofer Gesellschaft, GERMANY
- 11:30h **Professional Archive Application Format at ISO/IEC MPEG**
Noboru Harada, Senior Research Scientist, NTT Communication Science Laboratories, JAPAN
- 12:00h **Status of ITU-T standardization in the field of multimedia**
Simao Campos-Neto, ITU-T, SWITZERLAND
- 12:30h **Lunch Break**
- 14:00h **Long term preservation formats and processes**
Roger Cummings, Technical Director, Symantec Corporation, USA
- 14:30h **Requirements on TV Archives**
European Broadcasting Union (EBU), SWITZERLAND
- 15:00h **Coffee & Refreshments**

Session 4: Quo vadis digital archiving of multi-media content?

Moderator: **Touradj Ebrahimi**, Head of Multimedia Signal Processing Group , EPFL, SWITZERLAND

15:30h

Panel discussion on:

- What are the breakthroughs in preservation technology?
- Content-based access to multimedia archives – user's dream or reality soon?
- What do we need to preserve – bits, applications, context,...?
- Which methods are best for long term physical preservation – digital/analog, electronic/ optical?
- What kind of open standards are needed for preservation of multimedia content?
- Copyrights and other IPR in archives – don't care or a serious issue?

17:00h

Close of the Workshop