



Networks, Authenticity, Metadata, and the Cloud

InterPARES Trust, NA Project 16 Update

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Symposium on digital information governance in the
Networked Society
2014/05/13

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Background on InterPARES conceptions of authenticity

Discussion of contemporary work on metadata as it relates to authenticity

Research questions from IPT NA 16


Preliminary findings from the field




Authenticity and InterPARES

25,147 Apr 12

The State of Ohio
Cuyahoga County } I John Jennie
do swear that I was born in
Mellers town Schanaw County Pennsylvania or about
the 18th day of October A.D. 1812 that I am
a native & loyal citizen of the United States
& about to travel abroad with my daughter
Mary R. Jennie.

 John Jennie
Sworn to & subscribed before me this
4th day of April A.D. 1866
E. H. Cassinelli
Notary Public

I Daniel A. Dangler do swear, that I
am acquainted with the above named John Jennie
& with the facts above stated by him & that the
same are true to the best of my knowledge &
belief.

 David A. Dangler
Sworn to & subscribed before me this
9th day of April A.D. 1866
D.A.D.
E. H. Cassinelli
Notary Public

Description of John Jennie

Age	54 years	Mouth	small
Stature	5 feet 8 inches	Chin	sharp
Forehead	high	Hair	black & grizzled
Eyes	weak	Complexion	sallow
Nose	thin & sharp	Face	long

InterPARES
Trust



Metadata and Authenticity

From: sagemail@u.washington.edu
Subject: eGC1 A59048 Received at OSP - PI Joseph Tennis
Date: January 27, 2011 3:38:43 PM PST
To: Joe Tennis
Delivered-To: jtennisuw@gmail.com
Received: by 10.217.0.199 with SMTP id I49cs38871wes; Thu, 27 Jan 2011 15:39:26 -0800 (PST)
Received: by 10.227.147.129 with SMTP id I1mr1904734wbw.26.1296171565661; Thu, 27 Jan 2011 15:39:25 -0800 (PST)
Received: by 10.241.225.92 with POP3 id 28mf1045509wyb.79; Thu, 27 Jan 2011 15:39:25 -0800 (PST)
Received: from sdc-hub-01.exchange.washington.edu (140.142.10.166) by UWIT-HUB05.exchange.washington.edu (140.142.4.206) with Microsoft SMTP Server (TLS) id 14.1.270.1; Thu, 27 Jan 2011 15:38:44 -0800
Received: from appsubmit.cac.washington.edu (140.142.33.33) by sdc-hub-01.exchange.washington.edu (140.142.10.166) with Microsoft SMTP Server id 8.3.137.0; Thu, 27 Jan 2011 15:38:44 -0800
Received: from UCSWWW12 (ucswwww12.admin.washington.edu [140.142.18.55]) by appsubmit.cac.washington.edu (8.14.3+UW09.11/8.14.3+UW10.12) with ESMTP id p0RNch2T020676 for <jtennis@u.washington.edu>; Thu, 27 Jan 2011 15:38:43 -0800
Received-Spf: softfail (google.com: best guess record for domain of transitioning sagemail@u.washington.edu does not designate 140.142.10.166 as permitted sender) client-ip=140.142.10.166;
X-Gmail-Fetch-Info: jtennis@uw.edu 1 exchange.washington.edu 995 jtennis
Message-Id: <201101272338.p0RNch2T020676@appsubmit.cac.washington.edu>
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: quoted-printable
Return-Path: sagemail@u.washington.edu
X-Ms-Exchange-Organization-Avstamp-Mailbox: MSFTFF;1;0;0 0
X-Ms-Exchange-Organization-Authsource: sdc-hub-01.exchange.washington.edu
X-Ms-Exchange-Organization-Authas: Anonymous
Mime-Version: 1.0

NOTIFICATION: The following UW eGC1 for a grant or contract has been RECEIVED by Office of Sponsored Programs. The application will be assigned to OSP Administrator CAROL A. RHODES.

eGC1 number: A59048
Short title: Tennis IMLS 2011
PI Name: Joseph Tennis
Sponsor: Institute of Museum and Library Services (IMLS)
Sponsor deadline: 2/1/2011

It will be reviewed by:
OSP Reviewer: CAROL A. RHODES
Phone: +1 206 543-2139
Email address: carhodes@uw.edu

Unless OSP has been otherwise instructed, or the application will be submitted electronically to the sponsor, notification for application pickup will be emailed or phoned to the person indicated on the Routing Instruction Sheet.



Metadata and Authenticity

```
<?xml version="1.0" encoding="UTF-8"?>
<rdf:RDF
  xmlns:dc="http://purl.org/dc/elements/1.1/"
  xmlns:rdfs="http://www.w3.org/2000/01/rdf-schema#"
  xmlns:foaf="http://xmlns.com/foaf/0.1/"
  xmlns:owl="http://www.w3.org/2002/07/owl#"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema#"
  xmlns:rdf="http://www.w3.org/1999/02/22-rdf-syntax-ns#"
  xmlns:dcterms="http://purl.org/dc/terms/">

  <!-- version 0.1 Corinne Rogers, and Joseph T. Tennis authors for the InterPARES 3 Research Project interpares.org -->

  <rdf:Description rdf:about="http://ipam.info#A2.2.2.0">
    <rdf:type rdf:resource="http://www.w3.org/1999/02/22-rdf-syntax-ns#Property"/>
    <rdfs:isDefinedBy rdf:resource="http://www.interpares.org/ip2/ip2_model_display.cfm?model=cop"/>
    <rdfs:label xml:lang="en">chronDate00</rdfs:label>
    <dcterms:description xml:lang="en">The date of document creation</dcterms:description>
    <rdfs:domain rdf:resource="http://ipam.info#Record"/>
    <dcterms:identifier rdf:resource="http://ipam.info#D00"/>
  </rdf:Description>

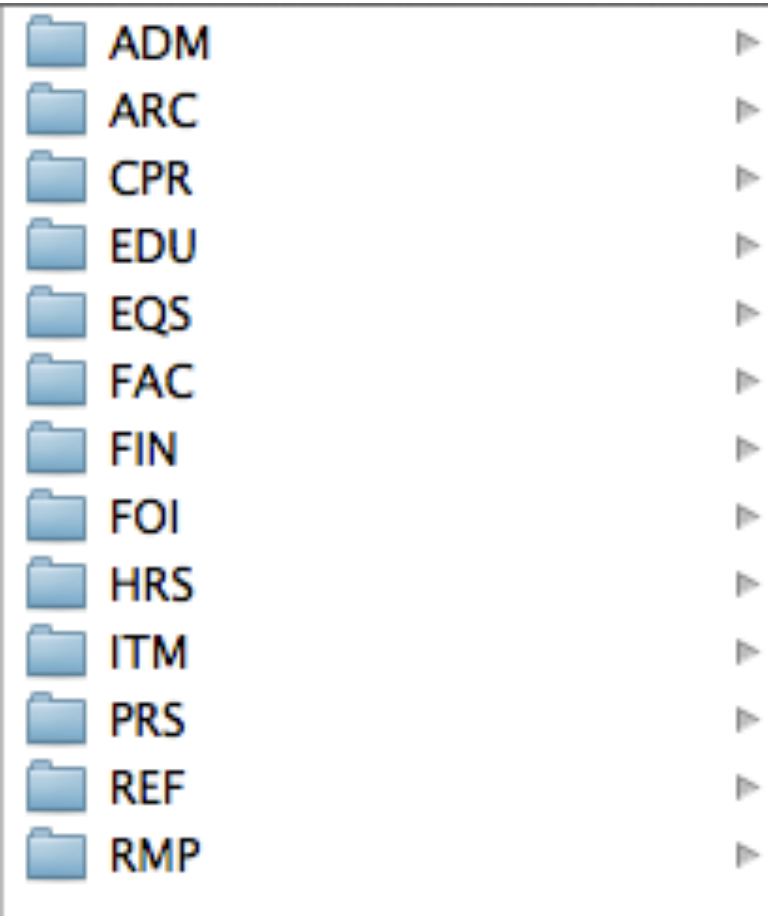
  <rdf:Description rdf:about="http://ipam.info#A2.2.2.1">
    <rdf:type rdf:resource="http://www.w3.org/1999/02/22-rdf-syntax-ns#Property"/>
    <rdfs:isDefinedBy rdf:resource="http://www.interpares.org/ip2/ip2_model_display.cfm?model=cop"/>
    <rdfs:label xml:lang="en">chronDate01</rdfs:label>
    <dcterms:description xml:lang="en">Chronological date (and possibly time) of compilation and capture</dcterms:description>
    <rdfs:domain rdf:resource="http://ipam.info#Record"/>
    <dcterms:identifier rdf:resource="http://ipam.info#D01"/>
  </rdf:Description>
```



Metadata and Authenticity

- AT – attachments
- AU – authentication
- B – archival bond
- D – date
- DO – external documentation
- F – form
- H – handling
- L – location
- R – rights and access
- S – subject
- T – technology

InterPARES Trust and Metadata



InterPARES Trust and Metadata

STATE OF HAWAII		CERTIFICATE OF LIVE BIRTH		DEPARTMENT OF HEALTH	
		FILE NUMBER 151		61 10611	
1a. Child's First Name (Type or print)	1b. Middle Name	1c. Last Name			
BARACK	HUSSEIN	OBAMA, II			
2. Sex	3. This Birth	4. If Twin or Triplet, How Child Bore	5a. Birth Date	5b. Month	5c. Day
Male <input checked="" type="checkbox"/> Female <input type="checkbox"/>	Single <input checked="" type="checkbox"/> Twin <input type="checkbox"/> Triplet <input type="checkbox"/> 1st <input type="checkbox"/> 2nd <input type="checkbox"/> 3rd <input type="checkbox"/>		August	4	1961
6a. Place of Birth: City, Town or Rural Location		6b. Island		6c. Hour	
Honolulu		Oahu		7:24 P.M.	
7a. Name of Hospital or Institution (If not in hospital or institution, give street address)			7b. In Residence Inside City or Town Limits? If not, give judicial district		
Kapiolani Maternity & Gynecological Hospital			Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
7c. Usual Residence of Mother: City, Town or Rural Location		7d. Island	7e. Country and State or Foreign Country		
Honolulu		Oahu	Honolulu, Hawaii		
7f. Street Address		7g. In Residence Inside City or Town Limits? If not, give judicial district		7h. Is Residence on a Farm or Plantation?	
6085 Kalaniana'ole Highway		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
7i. Mother's Mailing Address		9. Race of Father		9. Race of Mother	
		African		Caucasian	
8. Full Name of Father		10. Age of Father		11. Birthplace (State or Foreign Country)	
BARACK HUSSEIN OBAMA		25		Kenya, East Africa	
12. Usual Occupation		13. Full Maiden Name of Mother		14. Race of Mother	
Student		ANN DUNHAM		Caucasian	
15. Age of Mother		16. Birthplace (State or Foreign Country)		17. Type of Occupation Outside Home During Pregnancy	
18		Wichita, Kansas		None	
18a. Signature of Father or Other Informant		18b. Date of Signature		19. Date of Signature	
<i>Barack Obama</i>		8-7-61		8-7-61	
19a. Signature of Attendant		19b. Date of Signature		20. Date Accepted by Local Reg.	
<i>Harold A. Simlan</i>		8-8-61		AUG - 8 1961	
20. Date Accepted by Local Reg.		21. Signature of Local Registrar		22. Date Accepted by Reg. General	
AUG - 8 1961		<i>U. Lee</i>		AUG - 8 1961	
23. Evidence for Delayed Filing or Alteration					

I CERTIFY THIS IS A TRUE COPY OR ABSTRACT OF THE RECORD ON FILE IN THE HAWAII STATE DEPARTMENT OF HEALTH

APR 25 2011

Alvin T. Onaka, Ph.D.
STATE REGISTRAR

InterPARES
Trust



References

MacNeil, H. (2008). Archivalterity: Rethinking Original Order. In Achivaria 66: 1-24.

MacNeil, H. (1995). Metadata strategies and archival description: comparing apples and oranges. In Archivaria 39: 22-32

Millar, L. (2002). The Death of the Fonds and the Resurrection of Provenance: Archival Context in Space and Time. In Archivaria 53: 1-15.

Tennis, J. T. (2012) "Data, Documents, and Memory: A Taxonomy of Sources in Relation to Digital Preservation Metadata." In UNESCO Conference on Memory of the World in the Digital Age: Digitization and Preservation.

