Implementation of the IFIP Open Digital Library

Activity Report

Activity Report

Introduction

This activity report presents the latest changes about the staff (since November 2015), the new HAL IFIP collections, the last volumes uploaded and the technical developments carried out from February to April 2016.

1. Staff

■ Human resources invested into the DL Project

- Laurent Romary: Directeur de Recherche at Inria
- Gaëlle Riverieux: Librarian - Project Coordinator (Scientific Information and Publishing Service)
- Alain Monteil: Librarian - Project Coordinator (Inria Open Archives Service)
- Estelle Nivault: Librarian - Project Manager IFIP Open DL (since November 2015)
- Laurence Farhi: Computer science engineer (DSI/SEISM)

With the recruitment of Estelle Nivault, the number of staff has changed.

Hélène Lowinger, Jozefina Sadowska, Anne Jaigu and Audrey Genoud (4 persons), who have worked on the initial phase, are now invested on their other activities.

Currently 1,3 FTE are involved in the HAL IFIP DL.

2. Collections

2.1. New collections

From February, these following collections have been added to the HAL IFIP DL:

■ Volumes

- LNCS:
  - LNCS 8221: "Self-Organizing Systems"
  - LNCS 8459: "Coordination Models and Languages"
  - LNCS 8460: "Distributed Applications and Interoperable Systems"
  - LNCS 8566: "Data and Applications Security and Privacy XXVIII"

- LNBIP:
  - LNBIP 197: "The Practice of Enterprise Modeling"

- AICT:
  - AICT 421: "Privacy and Identity Management for Emerging Services and Technologies" (TUTORIAL)
  - AICT 423: "Technological Innovation for Collective Awareness Systems"
  - AICT 424: "Reflections on the History of Computers in Education" (SURVEY)
  - AICT 443: "System Modeling and Optimization"
  - AICT 447: "History of Nordic Computing 4"

■ Subline collection:

  - AICT SURVEY
  - AICT TUTORIAL

■ Technical Committee and Working Groups

- TC:
  - TC 6: Communication Systems
  - TC 7: System Modeling and Optimization
  - TC 8: Information Systems
  - TC 9: ICT and Society
  - TC 11: Security and Privacy Protection in Information Processing Systems

- WG
  - WG 6.1: Architectures and Protocols for Distributed Systems
  - WG 8.1: Design and Evaluation of Information Systems
  - WG 9.2: Social Accountability and Computing
  - WG 9.5: Virtuality and Society
  - WG 9.7: History of Computing
  - WG 11.3: Data and Application Security and Privacy
  - WG 11.4: Network & Distributed Systems Security
  - WG 11.6: Identity Management
  - WG 11.7: Information Technology: Misuse and The Law

⇨ Number of collection created: **26**

2.2. Content management

To manage special volume series: AICT TUTORIAL and AICT SURVEY, two new subline collections have been created:
- https://hal.inria.fr/IFIP-AICT-SURVEY
- https://hal.inria.fr/IFIP-AICT-TUTORIAL

The tab "AICT" has been renamed "AICT Series".
Otherwise, user can browse from this tab, by the subline "AICT SURVEY" and "AICT TUTORIAL".

These changes have been updated on HAL IFIP DL collections, for volume copyrighted since 2014.

3. Publications uploaded

Collection	Volume	Number of articles	Front matter	Back matter	Author affiliation	Comment
AICT	421	19	1	-	26	• TUTORIAL • Part sections (5)
AICT	423	68	1	-	58	• Part sections (21)
AICT	424	30	1	-	41	• SURVEY
AICT	443	35	1	-	42	
AICT	447	37	1	5	34	• Part sections (9) • Book Back matter (= Part Short summaries: 5) • New Springer metadata format • 1st volume deposited as conference paper
LNCS	8221	20	1	-	31	
LNCS	8459	12	1	-	19	
LNCS	8460	16	1	-	23	

Collection	Volume	Number of articles	Front matter	Back matter	Author affiliation	Comment
LNCS	8566	26	1	-	46	
LNBIP	197	20	1	-	33	
TOTAL		283	10	5	319	

- Number of documents uploaded: **298**

- Number of created/managed author affiliations: **353**
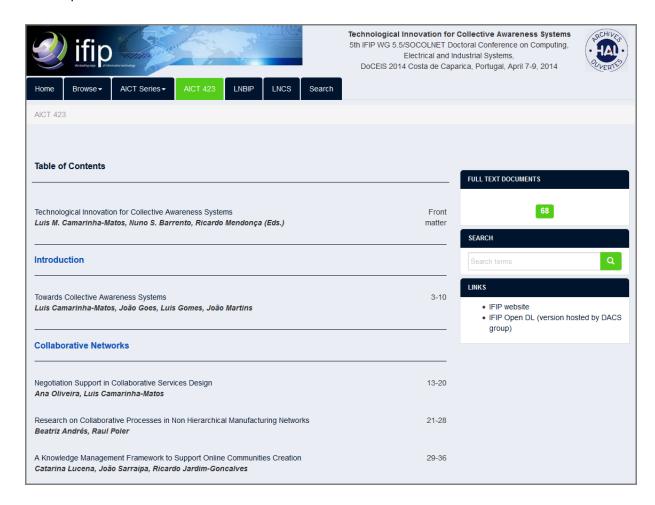
4. Technical developments

4.1. Updating Style sheets (XSL)

- Subline series and part sections *(1st update: in February)*

In order to handle the specific subline series (AICT TUTORIAL and AICT SURVEY) and the volumes organized in part sections, we have revised our two following style sheets:

- IFIP2TEI.xsl:
  - Publications of the subline series are automatically added to the concerned collection (TUTORIAL or SURVEY).
  - Section titles are inserted automatically in a "Comment" field
  Example: "Part 2: Collaborative Network"

- ToC.xsl: the table of contents is generated automatically with articles ordered by thematic sections

⇨ Example AICT 423 volume:

■ Springer new metadata format *(2nd update: in March)*

Since the end of 2014, Springer uses a new xml format. We have adapted our style sheet to transform properly this new file format.

The first volumes concerned are: AICT 443, LNCS 8459 and LNCS 8460.

4.2.   New Style sheet (XSL)

■ Volume uploaded as conference paper

From now on, the volumes of conference proceedings (Springer AICT, LNCS, LNBIP and others…) are uploaded as "Conference paper" type document on HAL.

A new style sheet has been developed: "IFIP2TEI_COMM.xsl".

The first volume deposited as conference paper is AICT 447: https://hal.inria.fr/IFIP-AICT-447

The short summaries in the book back matter are also handled as "Conference paper". For the moment, they are deposited manually.

NB: We note that not of all volumes are proceedings. A volume designed as a Survey or Tutorial is not a proceedings. Also, a volume without conference designation in the metadata will be considered as a book.

- GitHub Inria

All components on https://github.com/laurentromary/IFIPSpecifications have been moved to GitHub Inria at this following URL: https://github.com/INRIA/IFIPSpecifications.

Additional resources related to the transformation and ingestion of IFIP documents are now also maintained there.

4.3. Updated schemas

The XML schema has been profoundly updated to reflect the new practices in the Springer 2015 volumes. Many new elements have been added although not all of them correspond to useful information for the upload.

Conclusion

Several actions are currently in progress:

- Transformation of documents deposited on HAL as "Book section" to "Conference paper", for the already uploaded documents (since 2015).

- Interface improvements: browse features (conference title), translation, homogenizing of the whole collections (2010) with the layout of the last volumes.

- The LIBER annual conference 2016 (http://liber2016.org/) theme: "Libraries Opening Paths to Knowledge" to be held in Helsinki (29.6.—01.07.2016) gives us the opportunity to present our work in a Poster Session.