**ARTICLE XML in BITS**

In BITS, each article has its own XML file. Following are the elements of an individual article .xml file.

*For instructions on (1) how to prepare the main XML file in BITS format and (2) how to prepare a zip file for submission to Literatum, please refer to the separate documentation entitled, “mainXML\_instructions.doc.”*

[Outline of Article XML](#_top)

(Click on hyperlinks for more information about each tag.)

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[**Doctype**](#outline)**:**

<!DOCTYPE book-part-wrapper PUBLIC "-//NLM//DTD BITS Book Interchange DTD with OASIS and XHTML Tables v2.0 20151225//EN" "BITS-book-oasis2.dtd">

**[Root](#outline):**

<book-part-wrapper dtd-version="2.0" xml:lang="en" content-type="**ARTICLE-TYPE**" xmlns:xlink="http://www.w3.org/1999/xlink" >

***ARTICLE-TYPE*** *🡪 See full list of* [*Standard ACM Article Types*](#papertype)

[**Book Collections**](#outline)**:**

<collection-meta collection-type="book-series">

<collection-id collection-id-type="doi">**DOI**</collection-id>

<title-group>

<title>**TITLE**</title>

</title-group>

</collection-meta>

***DOI TITLE***

*10.1145/acmconferences 🡪 ACM Conferences*

*10.1145/acmotherconferences 🡪 ACM Other Conferences*

*10.5555/dlproceedings 🡪 DL Proceedings*

*10.5555/guideproceedings 🡪 Guide Proceedings*

\*The above table denotes an if/then relationship; for example, if the DOI is 10.1145/acmotherconferences, then enter “ACM Other Conferences” as the title. Like so:

<collection-meta collection-type="book-series">

<collection-id collection-id-type="doi">10.1145/acmotherconferences</collection-id>

<title-group>

<title>ACM Other Conferences</title>

</title-group>

</collection-meta>

\*Remember, from “mainXML\_instructions.doc,” that:

***Type of proceedings******Title***

*ACM-sponsored conference 🡪 acmconferences*

*ICPS conference 🡪 acmotherconferences*

*Non-ACM proc hosted with FT 🡪 dlproceedings*

*Non-ACM proc indexed in “Guide” 🡪 guideproceedings*

[**Book Meta****:**](#outline)

<book-meta>

<book-id book-id-type="acm-id">**ACM OBJECT ID**</book-id>

<book-id book-id-type="doi"> **DOI**</book-id>

[**Book title:**](#outline)

<book-title-group>

<book-title>**BOOK-TITLE**</book-title>

<alt-title alt-title-type="acronym">**ACRONYM**</alt-title>

<subtitle>**BOOK-SUBTITLE**</subtitle>

<book-title-group>

</book-meta>

[**Book Part**](#outline)**:**

<book-part book-part-type="chapter" xml:lang="en">

<book-part-meta>

<book-part-id book-part-id-type="acm-id">**ACM OBJECT ID**</book-part-id>

<book-part-id book-part-id-type="doi">**DOI**</book-part-id>

<book-part-id book-part-id-type="**LABEL-TYPE**">**LABEL-VALUE**</book-part-id>

***VALID LABEL-TYPE***

*article-no*

*interview-no*

*keynote*

*paper-no*

*presentation*

*talk*

*video*

*year-awarded*

[**Subject Groups**](#outline)**:**

<subj-group subj-group-type="ccs2012">

<compound-subject>

<compound-subject-part content-type="code">**CONCEPT-ID**</compound-subject-part>

<compound-subject-part content-type="text">**CONCEPT-DESCR**</compound-subject-part>

<compound-subject-part content-type="weight">**SIGNIFICANCE**</compound-subject-part>

</compound-subject>

</subj-group>

<subj-group subj-group-type="qualifier-density">

<compound-subject>

<compound-subject-part content-type="code">**CODE**</compound-subject-part>

<compound-subject-part content-type="text">**VALUE**</compound-subject-part>

</compound-subject>

</subj-group>

***DENSITY CODE VALUE***

*Instructional Instructional*

*opinion Opinion*

*popular Popular*

*research Research*

*survey Survey*

<subj-group subj-group-type="qualifier-review\_process">

<compound-subject>

<compound-subject-part content-type="code">**CODE**</compound-subject-part>

<compound-subject-part content-type="text">**VALUE**</compound-subject-part>

</compound-subject>

</subj-group>

***DENSITY CODE VALUE***

*refereed\_with\_revision\_cycle Refereed*

*refereed\_limited Refereed limited*

*editor\_picked Editor picked*

*pre-selected Pre-selected*

*moderated Moderated*

*unreviewed Un-reviewed*

<subj-group subj-group-type="qualifier-editorial\_treatment">

<compound-subject>

<compound-subject-part content-type="code">**CODE**</compound-subject-part>

<compound-subject-part content-type="text">**VALUE**</compound-subject-part>

</compound-subject>

</subj-group>

***DENSITY CODE VALUE***

*developmentally\_edited Developmentally edited*

*copy\_edited Copy edited*

*unedited Un-edited*

[**Title**](#outline)**:**

<title-group>

<title>**TITLE**</title>

<subtitle>**SUBTITLE**</subtitle>

</title-group>

[**Contributors**](#outline)**:**

<contrib-group>

<contrib contrib-type="**CONTRIB-TYPE**" id="**seq\_no**">

<contrib-id contrib-id-type="person\_id">**PERSON-ID**</contrib-id>

<contrib-id contrib-id-type="orcid\_id">**ORCID-ID**</contrib-id>

<name>

<surname>**LAST-NAME**<surname>

<given-names>**FIRST-NAME MIDDLE-NAME**</given-names>

<suffix>**SUFFIX**</suffix>

<aff>**AFFILIATION**</aff>

<email>**EMAIL**</email>

<role>**ROLE**</role>

</contrib>

</contrib-group>

***CONTRIB-TYPE*** *: author*

*editor*

*adviser*

*other*

*Note: PERSON-ID (e.g. P6983226, P6983227) is not a mandatory field. If the value is known, enter it; otherwise, delete this part.*

[**Publication Date**](#outline)**:**

<pub-date date-type="publication">

<day>**DAY**</day>

<month>**MONTH (numeric)**</month>

<year>**YEAR**</year>

<string-date>**STRING DATE**</string-date>

</pub-date>

[**Page Numbers**](#outline)**:**

<fpage>**START-PAGE-NUMBER**</fpage>

<lpage>**END-PAGE-NUMBER**</lpage>

[**Publication History**](#outline)**:**

<pub-history>

<date date-type="received">

<day>**DAY**</day>

<month>**MONTH (numeric)**</month>

<year>**YEAR**</year>

</date>

<date date-type="revised">

<day>**DAY**</day>

<month>**MONTH (numeric)**</month>

<year>**YEAR**</year>

</date>

<date date-type="accepted">

<day>**DAY**</day>

<month>**MONTH (numeric)**</month>

<year>**YEAR**</year>

</date>

<event specific-use="award" event-type="**AWARD-TYPE**">

<event-desc>**ADDITIONAL-TEXT**</event-desc>

<date date-type="award-assigned" iso-8601-date="**YYYY-MM-DD**">

<day>**DAY**</day>

<month>**MONTH (numeric)**</month>

<year>**YEAR**</year>

</date>

<self-uri content-type="awards" xmlns:xlink="http://www.w3.org/1999/xlink"

xlink:href="**URL**" />

</event>

***AWARD-TYPES***

*best-artifact*

*best-dataset*

*best-demo*

*best-grand-challenge-performance*

*best-grand-challenge-solution*

*best-industry-paper*

*best-multimodal-paper*

*best-note*

*best-paper*

*best-pictorial*

*best-poster*

*best-short-paper*

*best-student-paper*

*chairs-award*

*distinguished-paper*

*emerging-investigator*

*honorable-mention*

*honorable-mention-short-paper*

<event specific-use="reproducibility" event-type="**REPRODUCIBILITY-TYPE**">

<event-desc>**ADDITIONAL-TEXT**</event-desc>

<date date-type="award-assigned" iso-8601-date="**YYYY-MM-DD**">

<day>**DAY**</day>

<month>**MONTH (numeric)**</month>

<year>**YEAR**</year>

</date>

<self-uri content-type="artifacts" xmlns:xlink="http://www.w3.org/1999/xlink"

xlink:href="**URL**" />

</event>

***REPRODUCIBILITY TYPES (aka BADGES)***

*artifacts\_evaluated\_functional*

*artifacts\_evaluated\_reusable*

*artifacts\_available*

*results\_replicated*

*results\_reproduced*

**Badging version 1.1**

*artifacts\_evaluated\_functional\_v101*

*artifacts\_evaluated\_reusable\_v101*

*artifacts\_available\_v101*

*results\_replicated\_v101*

*results\_reproduced\_v101*

</pub-history>

[**Permissions****:**](#outline)

[**For ACM Articles**](#outline)**:**

<permissions>

<copyright-year>**COPYRIGHT-YEAR**</copyright-year>

<copyright-holder>**COPYRIGHT-HOLDER**</copyright-holder>

<license license-type="**ACM-eRIGHT-TYPE**">

<license-p>**LICENSE\_STRING**</license-p>

</license>

***If article is OA***

<license license-type="open-access">

<license-p></license-p>

</license>

***If article is free or opened for a very long time***

<license license-type="free">

<license-p></license-p>

</license>

***If CHORUS article***

<ali:free\_to\_read />

<license license-type="free">

<license-p></license-p>

</license>

</permissions>

**Full text:**

<self-uri content-type="**FILE-TYPE**" xlink:href="**FILENAME”** />

[**For Non-ACM Articles**](#outline)**:**

<permissions>

<copyright-holder> **COPYRIGHT-HOLDER**</copyright-holder>

</permissions>

**Full text:**

<self-uri content-type="**FILE-TYPE**"

xlink:href="**FILENAME”** **specific-use="do-not-distribute"**>**FILE-DESCR**</self-uri>

for magazine site – html:

<self-uri content-type="**CONTENT\_TYPE**"

xlink:href="**MAGAZINE-SITE-URL**"**”** **specific-use="do-not-distribute"**>**FILE-DESCR**</self-uri>

*\*Important note: specific-use=“do-not-distribute” should be added to the <self-uri> tag of any article that should not be served with full text in the ACMDL. This applies to most non-ACM proceedings, with few exceptions (e.g. CASCON, though published by IBM, is served with full text in the DL; same goes for SODA, served with FT even if it is published by SIAM; also, PLOP – published by Hillside Group, but served with FT in the DL).*

[**Related Artifacts****:**](#outline)

<related-object document-id-type="doi" document-id="**DOI**" link-type="**RELATED-ARTIFACT-TYPE**">

<label>**Related Software / Related Dataset (choose one)**</label>

ARTIFACT-TITLE

</related-object>

***RELATED-ARTIFACT-TYPES (2 only)***

*related-software*

*related-dataset*

[**Abstract**](#outline)**:**

<abstract>

<p> …… </p>

<media content-type="video-teaser" xlink:href="embed link"

xlink:show="embed" position="float"/>

</abstract>

[**Keywords**](#outline)**:**

<kwd-group>

<kwd>**KEYWORD**</kwd>

</kwd-group>

**[Funding Groups](#outline):**

<funding-group specific-use="FundRef">

<award-group id="**UNIQUE AWARD ID e.g. award1**">

<funding-source id="**UNIQUE ID e.g. GS1**">

<institution-wrap>

<institution>**FUNDER NAME**</institution>

<institution-id institution-id-type="FundRef">**FUNDER DOI**</institution-id>

</institution-wrap>

<award-id rid=" **UNIQUE ID e.g. GS1**">**GRANT NO**</award-id>

</award-group>

</funding-group>

[**Custom Meta****:**](#outline)

**If Rights retained by Author then add:**

<custom-meta-group>

<custom-meta>

<meta-name>rightslink</meta-name>

<meta-value>excluded</meta-value>

</custom-meta>

</custom-meta-group>

[**Editorial Comments – Public**](#outline)**:**

<notes notes-type="public"><p>**COMMENTS**</p></notes>

</book-part-meta>

[**Article Back**](#outline)**:**

<back>

<app-group>

<app content-type="supplementary-materials">');

<supplementary-material mimetype="**MIME-TYPE**"

mime-subtype="**MIME-SUBTYPE**"

**specific-use="do-not-distribute"**

xlink:href="**SUPPLEMENTARY-FILENAME**">

<label>**DISPLAY-TEXT**</label>

<caption>**DESCRIPTION-OF-SUPPLEMENT**</caption>

</supplementary-material>

</app>

<app content-type="audio-video">

<supplementary-material>

<media mimetype="**MIME-TYPE**" mime-subtype=" **MIME-SUBTYPE** "

**specific-use="do-not-distribute"**

xlink:href="**SUPPLEMENTARY-FILENAME**">

<caption>**DESCRIPTION-OF-SUPPLEMENT**</caption>

<label>**DISPLAY-TEXT**</label>

</media>

</supplementary-material>

</app>

</app-group>

[**References**](#outline)**:**

<ref-list specific-use="unparsed">

<ref id="**REF-ID**">

<label>**REF-LABEL**</label>

<mixed-citation>

**REF-STRING**

***If ref doi is known***

<pub-id pub-id-type="doi" xlink:href="**REF-DOI**"

assigning-authority="crossref">**REF-DOI**</pub-id>

***if ref resolved by Parity***

<pub-id pub-id-type="doi" xlink:href="**DOI of DL Page**" />

</mixed-citation>

</ref>

</ref-list>

<back>

</book-part>

</book-part-wrapper>

[**Standard ACM Article Types**](#root)

The following table denotes an if/then relationship – that is, if the article is a full paper, then you must enter “research-article” in the [Root](#root) section of the .xml file. Like so:

<book-part-wrapper dtd-version="2.0" xml:lang="en" content-type="research-article" xmlns:xlink="http://www.w3.org/1999/xlink" >

Please note that the values in the right column should be entered in the .xml file exactly as listed (e.g. “course” – not “Course”, “research-article” – not “research article” or “Research-Article”).

|  |  |
| --- | --- |
| **Article Type** | **Equivalent entry in BITS/JATS .xml**  **(case-sensitive – enter as is!)** |
| Full Paper / Paper / Technical Paper / Late-Breaking Paper / DAC.com / SIGGRAPH TechPapers / Experience Report / SOEd Paper / SIGGRAPH OA-Symposium / SIGGRAPH Doctoral Consortium / WWW\_Copy | research-article |
| Short Paper | short-paper |
| Course(s) / SIGGRAPH Course | course |
| Poster(s) / Late Posters | poster |
| Poster Paper | poster paper |
| Abstract / Workshop / Late-Breaking Abstract / SIGGRAPH Educators Symposium / SIGGRAPH XR / SIGGRAPH VR / SIGGRAPH Appy Hour / SIGGRAPH Emerging Technologies / SIGGRAPH Lab / SIGGRAPH PR / Video + Abstract / Late Breaking Works | abstract |
| Extended Abstract | extended-abstract |
| Invited Talk | invited-talk |
| Invited Talk Abstract | invited talk abstract |
| Invited Talk Paper | invited talk paper |
| Tutorial | tutorial |
| Demo / Demonstration / Exhibit | demonstration |
| Panel(s) / SIGGRAPH Panels | panel |
| Work(s)-in-Progress | WIP |
| Editorial | editorial |
| Introduction | introduction |
| Prefatory | preface |
| Keynote / SIGGRAPH Presentation Only | keynote |
| Obituary | obituary |
| Oration / Presentation Only | oration |
| Plenary Talk | plenary-talk |
| Technical Note(s) / Technical Brief(s) | technical-note |
| Bibliography | bibliography |
| Brief Report / SIGGRAPH TechBriefs / Organizer / Special / | brief-report |
| Announcement / Brief Announcement | announcement |
| Book Review | book-review |
| Product Review | product-review |
| Note | note |
| Forum | forum |
| Index | index |
| Section | section |
| Chapter | chapter |
| Department | department |
| Reply | reply |
| Letter | letter |
| Article Commentary | article-commentary |
| Interview | interview |
| News | news |
| Erratum | erratum |
| Correction | correction |
| Review Article | review-article |
| Books Received | books-received |
| Column | column |
| Opinion | opinion |
| Discussion | discussion |
| Survey | survey |
| Other / SIGGRAPH and SA: Art Gallery / Art Papers / Computer Animation Festival / Production Sessions / Real-Time Live! / Games Concept Art Lounge / VR Village / VR Theater / Closed Production Sessions / VRShow / Exhibit / Electronic Theater / Immersive Realities (AR/VR) | other |