



XML DTD 1.0 for Deposit of Metadata

The DTD for batch submissions, to be named `doi_batch.dtd`,
and an example batch file follows.

DTD:

```
<?xml version="1.0" encoding="UTF-8"?>
<!-- Content: CrossRef DTD for Scientific Journal Metadata -->
<!-- Based on DOI-X Prototype Batch DTD -->
<!-- Contact: Howard Ratner, Springer-Verlag New York, Inc., -->
<!-- hratner@springer-ny.com, 212-460-1615 -->
<!ELEMENT doi_batch (head, body) >
  <!ATTLIST doi_batch
    version CDATA #FIXED "0.3" >
<!ELEMENT head (doi_batch_id, timestamp, depositor, registrant) >
<!ELEMENT doi_batch_id (#PCDATA) >
<!ELEMENT timestamp (#PCDATA) >
<!ELEMENT depositor (name, email_address)>
<!ELEMENT name (#PCDATA) >
<!ELEMENT email_address (#PCDATA) >
<!ELEMENT registrant (#PCDATA) >
<!ELEMENT body (doi_record+) >
<!ELEMENT doi_record (timestamp?, doi_data, journal_article_metadata) >
  <!ATTLIST doi_record
    type (abstract_only | full_text | bibliographic_record)
    "full_text" >
<!ELEMENT doi_data (doi, url) >
<!ELEMENT doi (#PCDATA) >
<!ELEMENT url (#PCDATA) >
<!ELEMENT journal_article_metadata (article, journal) >
<!ELEMENT article (title?, author*, date+, enumeration?, identifier*) >
<!ELEMENT title (#PCDATA) >
<!ELEMENT author (given_name?, surname) >
  <!ATTLIST author
    sequence (first | additional) #REQUIRED >
<!ELEMENT given_name (#PCDATA) >
<!ELEMENT surname (#PCDATA) >
<!ELEMENT date (month?, day?, year) >
  <!ATTLIST date
    type (online | print | other) "print" >
<!ELEMENT month (#PCDATA) >
<!ELEMENT day (#PCDATA) >
<!ELEMENT year (#PCDATA) >
<!ELEMENT enumeration (volume?, issue?, first_page?, last_page?,
  article_number?, special_numbering?) >
<!ELEMENT volume (#PCDATA) >
<!ELEMENT issue (#PCDATA) >
<!ELEMENT first_page (#PCDATA) >
<!ELEMENT last_page (#PCDATA) >
<!ELEMENT article_number (#PCDATA) >
<!ELEMENT special_numbering (#PCDATA) >
<!ELEMENT identifier (#PCDATA) >
  <!ATTLIST identifier
    type (pii | sici | doi | other) #REQUIRED >
<!ELEMENT journal (full_title, abbrev_title*, issn*, coden?) >
<!ELEMENT full_title (#PCDATA) >
<!ELEMENT abbrev_title (#PCDATA) >
<!ELEMENT issn (#PCDATA) >
  <!ATTLIST issn
    type (print | electronic) "print" >
<!ELEMENT coden (#PCDATA) >
```

Sample batch file:

```
<?xml version="1.0"?>
<!DOCTYPE doi_batch SYSTEM "doi_batch.dtd">
<doi_batch version="0.3">
<head>
<doi_batch_id>123456</doi_batch_id>
<timestamp>19990628123304</timestamp>
<depositor>
<name>xyz</name>
<email_address>xyz@authorized_depositor.com</email_address>
</depositor>
<registrant>AIP</registrant>
</head>
<body>
<doi_record type="full_text">
<timestamp>19990628123304</timestamp>
<doi_data>
<doi>10.9876/S000369519903216</doi>
<url>http://ojps.aip.org/link/?apl/74/2268/ab</url>
</doi_data>
<journal_article_metadata>
<article>
<author sequence="first">
<given_name>Ann P.</given_name>
<surname>Shirakawa</surname>
</author>
<date type="print">
<year>1999</year>
</date>
<enumeration>
<volume>74</volume>
<issue>16</issue>
<first_page>2268</first_page>
</enumeration>
<identifier type="pii">S000369519903216</identifier>
</article>
<journal>
<full_title>Applied Physics Letters</full_title>
<abbrev_title>Appl. Phys. Lett.</abbrev_title>
<issn type="print">00036951</issn>
<coden>applab</coden>
</journal>
</journal_article_metadata>
</doi_record>
<doi_record type="full_text">
<doi_data>
<doi>10.9876/S0003695199034166</doi>
<url>http://ojps.aip.org:18000/link/?apl/74/2271/ab</url>
</doi_data>
<journal_article_metadata>
<article>
<author sequence="first">
<given_name>M</given_name>
<surname>van Exter III</surname>
</author>
<date type="print">
<year>1999</year>
</date>
<enumeration>
<volume>74</volume>
<issue>16</issue>
<first_page>2274</first_page>
</enumeration>
<identifier type="pii">S0003695199038164</identifier>
```

```

</article>
<journal>
<full_title>Applied Physics Letters</full_title>
<abbrev_title>Appl. Phys. Lett.</abbrev_title>
<issn type="print">00036951</issn>
<coden>applab</coden>
</journal>
</journal_article_metadata>
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<url>http://ojps.aip.org:18000/link/?apl/74/1/76/ab</url>
</doi_data>
<journal_article_metadata>
<article>
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<surname>Peng</surname>
</author>
<author sequence="additional">
<given_name>K</given_name>
<surname>Sumiyama</surname>
</author>
<author sequence="additional">
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<surname>Sumiyama</surname>
</author>
<author sequence="additional">
<given_name>T</given_name>
<surname>Hihara</surname>
</author>
<author sequence="additional">
<given_name>T J</given_name>
<surname>Konno</surname>
</author>
<date type="print">
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</date>
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<issue>1</issue>
<first_page>76</first_page>
</enumeration>
<identifier type="pii">S0003695199019014</identifier>
</article>
<journal>
<full_title>Applied Physics Letters</full_title>
<abbrev_title>Appl. Phys. Lett.</abbrev_title>
<issn type="print">00036951</issn>
<coden>applab</coden>
</journal>
</journal_article_metadata>
</doi_record>
</body>
</doi_batch>

```