Update to ACM Documentation
BORIS VEYTSMAN, George Mason University

This document describes updates to ACM files made in Spring 2013 according to the new specifications for ACM conferences and journals.

1. INTRODUCTION
The classic documentation [Knuth and Lamport 2010] describes the submission of articles for ACM conferences and journals. This documentation is still mostly valid. However, there were two important changes in the submission: the new CCS categories and the new copyright journal data/commands for the authors. Accordingly ACM decided to provide an update to the documentation—this document.
In both cases the new ACM submission programs generate \LaTeX code for you. Your task is to insert the generated code into your manuscript, anywhere between \begin{document} and \maketitle commands.

2. CCS CATEGORIES
ACM publications are classified according to the ACM Computing Classification Scheme (CCS). CCS codes are used both in the typeset version of the publications and in the metadata in the various databases. Therefore you need to provide both \TeX commands and XML metadata with the paper.
The tool at http://dl.acm.org/ccs.cfm can be used to generate CCS codes. After you select the topics, click on “Generate CCS codes” to get the result like the following:

\begin{CCSXML}
<ccs2012>
  <concept>
    <concept_id>10010520.10010553.10010562</concept_id>
    <concept_desc>Computer systems organization~Embedded systems</concept_desc>
    <concept_significance>500</concept_significance>
  </concept>
  <concept>
    <concept_id>10010520.10010575.10010755</concept_id>
    <concept_desc>Computer systems organization~Redundancy</concept_desc>
    <concept_significance>300</concept_significance>
  </concept>
  <concept>
    <concept_id>10010520.10010553.10010554</concept_id>
    <concept_desc>Computer systems organization~Robotics</concept_desc>
    <concept_significance>100</concept_significance>
  </concept>
</ccs2012>
\end{CCSXML}

This work was commissioned by ACM.
Permission to make digital or hard copies of all or part of this work for personal or classroom use is granted without fee provided that copies are not made or distributed for profit or commercial advantage and that copies bear this notice and the full citation on the first page. Copyrights for components of this work owned by others than ACM must be honored. Abstracting with credit is permitted. To copy otherwise, or republish, to post on servers or to redistribute to lists, requires prior specific permission and/or a fee.
Request permissions from permissions@acm.org.
© 2013 ACM. 0000-0000/2013/04-ART0 $15.00
DOI: http://dx.doi.org/10.1145/0000000.000000

ACM Journal Name, Vol. 0, No. 0, Article 0, Publication date: April 2013.
Table I. Parameters for \setcopyright Command

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>none</td>
<td>The copyright and permission information is not typeset (this is the option for some ACM conferences).</td>
</tr>
<tr>
<td>acmcopyright</td>
<td>The authors transfer the copyright to ACM (the “traditional” choice).</td>
</tr>
<tr>
<td>acmlicensed</td>
<td>The authors retain the copyright but license the publication rights to ACM.</td>
</tr>
<tr>
<td>rightsretained</td>
<td>The authors retain the copyright and publication rights to themselves or somebody else.</td>
</tr>
<tr>
<td>usgov</td>
<td>All the authors are employees of the US Government.</td>
</tr>
<tr>
<td>usgovmixed</td>
<td>Some authors are employees of the US Government.</td>
</tr>
<tr>
<td>cagov</td>
<td>All the authors are employees of the Canadian Government.</td>
</tr>
<tr>
<td>cagovmixed</td>
<td>Some authors are employees of the Canadian Government.</td>
</tr>
</tbody>
</table>

For papers just copy this code and paste it in your paper anywhere before \maketitle. For proceedings the CCS categories are not printed by default; to make them printed add after the code above the command \printccsdesc.

3. COPYRIGHT AND OTHER INFORMATION

There are several possibilities for the copyright of the papers published by ACM: the authors may transfer the rights to ACM, license them to ACM, some or all authors might be employees of the US or Canada Government, etc. Accordingly the new command \setcopyright{...} is introduced. Its argument is the copyright status of the paper, for example, \setcopyright{acmcopyright}. The possible values for this command are listed in Table I.

The ACM submission software should generate the right command for you to paste into your file.

There are several other commands generated by the software. Below we describe them.

Each paper in ACM journals and proceedings must have a DOI number. It is set up by the command \doi, for example,

\doi{http://dx.doi.org/10.1145/0000000.0000000}

Each ACM journal has an ISSN number, which is set by the command \issn, for example,

\issn{0004-5411}

The commands \acmVolume, \acmNumber, \acmArticle, \acmYear set up the information about the volume, issue, article number and year of publication. As a rule they are inserted by the publisher on the final stages of preparation.

For proceedings you need to insert ISBN, the conference name, date and location. They are set by the commands \isbn and \conferenceinfo correspondingly, for example,
These commands are also provided by the ACM software; you need just to insert them into the manuscript before `\maketitle`.

REFERENCES