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Preparing Manuscripts for Acta Crystallographica C and E with Programs *publCIF* and *modiCIFer*. Ilia A. Guzei, Chemistry Dept., Univ. of Wisconsin-Madison, Madison, WI, 53558, USA.

The IUCr Editorial Office has released a new program *publCIF* that facilitates manuscript preparation for Acta Crystallographica C and E. *publCIF* allows editing of the content of Crystallographic Information Files (CIF) in a dual fashion – as a CIF with all the CIF field and data codes, and in a text editor similar to Wordpad. The latter shows the formatting of the title, author, abstract, comment, and reference sections as it will appear in print. The publication wizard feature helps create the abstract and comment as well as the author and reference databases. An important element of the program is its reference handling capability; it is now possible to conveniently sort the references in the alphabetical order and check for correspondence between the entries in the bibliography section and all citations in the body of the comment and crystallographic tables. These and other *publCIF* features will be shown in action.

As a user of the SHELXTL package I routinely modify CIF's produced by XL in order to insert the missing information and fields required for publication in Acta Cryst. C and E. To eliminate the repetitive nature of this task I wrote a PC program *modiCIFer* that takes a "raw" CIF file created by XL and inserts all the fields necessary to comply with the IUCr requirements. *ModiCIFer* makes use of a user/instrument specific initialization file and NAME.p4p, NAME.pcf, and NAME.res, to resolve missing items and to create a checkCIF compliant CIF that can be converted into a manuscript with *publCIF*.

Both programs will be demonstrated with the emphasis on *publCIF*.