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**David Milan\*** ([dmilan@uttyler.edu](mailto:dmilan@uttyler.edu)), The University of Texas at Tyler, Department of Mathematics, 3900 University Boulevard, Tyler, TX 75799. *Computing the  $C^*$ -algebra of an inverse semigroup with the Munn representation.*

We show that in many cases the Munn representation gives a useful description of the full  $C^*$ -algebra of an inverse semigroup. Examples include the bicyclic monoid, free inverse semigroups, graph inverse semigroups and the inverse semigroups associated with quasi-lattice ordered groups. (Received September 23, 2009)