James D Mitchell* (jdm3@st-andrews.ac.uk), Mathematical Institute, North Haugh, St Andrews, KY169SS, United Kingdom. The Todd-Coxeter Algorithm for Semigroups and Monoids. In this talk I will give an expository account of the Todd-Coxeter algorithm for computing congruences on semigroups and monoids. We also give a novel description of an analogue for semigroups of the so-called Felsch strategy from the Todd-Coxeter algorithm for groups. (Received September 12, 2019)