# Compressed Sensing References

The first is a paper I wrote with Tanya Leise that is a good start for undergraduates. The Foucart and Rauhut book is nice and somewhat encyclopedic. The rest are very readable articles by the people who founded this area.

- K. Bryan and T. Leise, *Making do with less: an introduction to compressed sensing*, SIAM Review's Education Section, Vol 55, No 3, 2013.

- S. Foucart and H Rauhut, *A Mathematical Introduction to Compressed Sensing*, Birkhäuser, 2013.

- Website "Compressed Sensing Applications", `http://dsp.rice.edu/cs`.

- E. Candès and J. Romberg, *$\ell_1$-MAGIC*, http://www.acm.caltech.edu/l1magic/ (accessed 5/21/11).

- E. Candès and T. Tao, *Decoding by linear programming*, IEEE Trans. Inf. Theory 51(2005), 4203-4215.

- E. J. Candès and M.B. Wakin, *An introduction to compressive sampling*, IEEE Signal Processing Magazine 25 (2008), 21-30.