1) **Read TXM files from synchrotron Bessy, Berlin (1052 .spe) and create a stack**
   Read/Stack/Bessy/TXM
   Normalize to ring current? Yes
   I select all the ".spe" files corresponding to the 1052 images
   Then Open, Bin factor 0, save stack as "test.ncb"

2) **Align the images of the stack**
   Stack Analyze (Jacobsen/Stony Brook V2.6.1)
   Read Stack ".ncb" file
   File/ Align stack
   In the new window "stack align" that appears, I select Sobel, Each preceding image, X-cor peak. I start with X-cor pixel shift limit of 30 and pixels for edgegauss 3.0.
   Start aligning
   At the end, I check the X and Y red and green lines to see the pixel shift. When happy, I save new alignment
   Save aXis "test2.ncb" file

3) **Extract Ti L-edge spectra from region of the images**
   Stack/Analyze/Stack process
   I select the "test2.ncb" file
   A window with "Read alignment file?" appears. I select "No"
   Suggested zoom 1
   Select a region for I
   Select a region for I0
   Then click on the different regions of the image to identify a spectrum

   Alternative alignment
   Stack/Analyze/Stack process
   I select the "test2.ncb" file
   A window with "Read alignment file?" appears. I select "yes"
   Then click on cancel
   Align with old Jacobsen stack align? Yes
   In the new window "stack align" that appears, I select Sobel, Each preceding image, X-cor peak. Here I can only select the pixel shift limit
   Start aligning
   Complete, go to start analyse
   (An .aln file is created)