Setup for remote operation of the microprobe using the FIU-FCAEM electron microprobe system

Hardware:

- A PC with two monitors: one for the instrument operations terminal emulator, and the other for the streaming Website that display microprobe images.
- Video cards and RAM required are typical of what now comes standard on Macintosh and IBM-compatible PC's.
- [Optional] Sample preparation and polishing equipment for rounds and thin sections (or use a commercial provider). Polished rounds or thin sections are required for effective analysis.

Internet Connection and Bandwidth:

- A dedicated 100 Mbit bandwidth line to the desktop is necessary for unimpeded instrument usage and streaming video from the microprobe. (100 Mbit is now standard for University campus networks)

Necessary software:

- VNC Viewer (http://www.realvnc.com/) A terminal emulator package that is compatible with the FCAEM EMPA/SEM systems);
- A Web browser package that can handle streaming media. Firefox works best, but Safari and Chrome are also good. Avoid Internet Explorer, as there are compatibility problems with the FCAEM streaming video server.)
- Streaming video site for the microprobe: 131.94.95.141
- Address for VNC terminal emulation: EMLAB1.FIU.EDU:(port) [port number and password available from FCAEM]

Access and Pricing for Microprobe use:

- Go to http://www2.fiu.edu/~emlab/home.html or contact Tom Beasley (beasley@fiu.edu; 305-348-2714) for details on pricing, and for access to the instrument calendar. Any registered user may sign up instrument time based on availability in the schedule. If you are a new user, contact Tom Beasley at FCAEM to discuss your samples and analytical needs before scheduling time.
- Time for instrument usage needs to be secured on the FCAEM calendar about 2-3 weeks ahead of planned use. I recommend also securing a "pre-event" day on the probe to work with the FCAEM staff to set up standards and test out samples.