BSE Training Notebook

Lab Manager: Dr. Perry Cheung
MSE Fee-For-Service Facility
Materials Science and Engineering
University of California, Riverside

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I. Using BSE Detector – 1/4

1. Confirm *tallest position* at *tallest sample* will NEVER be set to *WD < 7.00 mm* or the *BSE Detector* will CRASH!

2. Slowly turn the *BSE Detector Knob* clockwise to insert *BSE Detector*

3. Carefully check that *BSE Detector* is extended into view of *SEM Camera*

4. There are four options to use the *BSE Detector*:
   I. A – either SE or BSE
   II. A + B – Superimposed Additive
   III. A – B – Superimposed Subtractive
   IV. A | B – Parallel Detectors
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5. When using “A” select either **SE Detector** or **BSE Detector** via dropdown

6. When using “A + B” adjust the slider to determine additive proportions
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7. When using “A - B” adjust the slider to determine subtractive proportions

8. When using “A / B” both detectors are visible
9. You may need to adjust the **Brightness and Contrast** (either auto or manually) when changing between **SE** and **BSE Detectors**

10. Click on the **Brightness and Contrast indicator** for the desired **Detector**

11. Proceed to adjust **Brightness and Contrast**

12. When finished with **BSE Detector**, set detector back to **SE Detector** on “A”

13. Slowly turn the **BSE Detector Knob** counter-clockwise to retract **BSE Detector**