

## **Highlights in Science and Materials Research at BESSYII**

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BESSY is operating Europe's largest third generation synchrotron radiation user facility for the VUV and Soft X-Ray range. A description of the facility will be given, accompanied by recent highlights of the science performed at BESSY. Making use of the high brightness of the source, microscopy applications are quite important over the whole spectral range from the IR and soft X-ray microscopy to a 3D X-ray microprobe. Ultrafast time resolved studies are enabled by the <1ps pulse length in the low a mode of operation or by using the 100 fs pulses delivered by the fs slicing facility