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## **DISTRIBUTED BRAGG REFLECTORS (DBRS)**

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This abstract is about the work done in International Iberian Nanotechnology Laboratory (INL), in which a stack of Distributed Bragg Reflectors (DBRs) have been modelled, fabricated then been characterized to be used in a system calibration. So, we have first built our MATLAB code simulating DBRs under different incident angle. Then, using INL's cleanroom facilities, we have fabricated our DBR samples. And, we have gone through the characterization step using the Environmental Scanning Electron Microscope (ESEM). Then, we have gone through the step in which we have fitted our MATLAB code to the real thicknesses we have got from (ESEM). Finally, we have started using our fabricated samples to calibrate our optical setup.

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