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# Radiation damage models: comparison between Silvaco and Synopsys

*Monday, 6 June 2016 11:30 (20 minutes)*

In this talk we will present a comparison between Silvaco and Synopsys predictions when it comes to radiation damage models; the focus will nbe on the recent Perugia model.
Leakage current increase, depletion voltage and trapping time will be extracted and compared.
The simulated structures will include standard and LGAD n-on-p diodes.

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