

## **Papers in Refereed Conference Proceedings**

1. Y. Tao, B. Nouri, F. Ferranti, M. Nakhla and K. Guo, “Non-intrusive uncertainty quantification of large circuits with parallelism in the stochastic space and time-domain”, *International Symposium on Electromagnetic Compatibility*, Rome, Italy.
2. Y. Tao, F. Ferranti and M. Nakhla, “High-dimensional variability analysis via parameters space partitioning”, *IEEE MTT-S International Microwave Symposium*.
3. Ali Nouri, E. Gad, B. Nouri and M. Nakhla, “Parameterized periodical steady-state analysis via reduced-order modelling”, *IEEE Workshop on Signal and Power Integrity*.
4. A. Ruehli, L. Lombardi, G. Antonini, Ye Tao, M. Nakhla and F. Ferranti, “ Impulse Response for Full Wave PEEC Models avoiding late time instability”, *IEEE International Conference on Electrical Performance of Electronic Packaging and Systems (EPEPS)*, Montreal, Canada, pp. 1-4, October 2019.
5. L. Lombardi, M. Nakhla, F. Ferranti and G. Antonini, “Adjoint time-domain sensitivity of retarded PEEC using the numerical inversion of Laplace transform”, *International Conference on Electromagnetics in Advanced Applications (ICEAA)*, Granada, Spain, September 2019
6. L. Lombardi, Y. Tao, M. Nakhla, F. Ferranti, G. Antonini and B. Nouri, “Parametric simulation of PEEC circuits in the frequency-domain”, *Proc. IEEE MTT-S International Conference on Numerical Electromagnetic and Multiphysics Modeling and Optimization*, Reykjavik, Iceland, pp. 1-4, August 2018.
7. M. Nakhla, “Complexity Reduction: Reversing the trend”, *IEEE Symposium on Electromagnetic Compatibility, Signal Integrity and Power Integrity (EMC, SI & PI)*, Long Beach, California, USA, pp. 1-12, July 2018.
8. B. Nouri and M. Nakhla, “Efficient simulation of nonlinear transmission lines using empirical interpolation and projection-based model order reduction”, *Proc. IEEE MTT-S International Microwave Symposium (IMS)*, Philadelphia, USA, pp. 87-89, June 2018.
9. B. Nouri and M. Nakhla, “Reduced-order model for time-domain sensitivity analysis of active circuits”, *Proc. IEEE Workshop on Signal and Power Integrity (SPI)*, Brest, France, pp. 1-4, May 2018 (*Best Paper Award*).
10. Y. Tao, B. Nouri, E. Gad, M. Nakhla and Q. Sun, “MIP: Moment-based interpolation projection for parameterized reduced models of the dc operating point in nonlinear circuits”, *IEEE International Conference on Electrical Performance of Electronic Packaging and Systems (EPEPS)*, pp. 1-4, Oct. 2017.

11. Y. Tao, G. Kai, F. Ferranti, B. Nouri and M. Nakhla, "Time-domain variability analysis of large circuits with stochastic linear terminations", *Proc. IEEE Workshop on Signal and Power Integrity (SPI)*, pp. 1-4, May 2017.
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13. G. Kai, B. Nouri, F. Ferranti and M. Nakhla, "A stochastic collocation technique for time-domain variability analysis of active circuits", *IEEE International Conference on Electrical Performance of Electronic Packaging and Systems (EPEPS)*, pp. 47-50, Oct. 2016.
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15. Y. Tao, M. Farhan, B. Nouri, M. Nakhla and R. Achar, "Efficient time-domain variability analysis using parameterized model-order reduction", *Proc. IEEE Workshop on Signal and Power Integrity (SPI)*, pp. 1-4, May 2016.
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