



18th International Zurich Symposium on Electromagnetic Compatibility

TIME DOMAIN ELECTROMAGNETIC MODELING FOR EMC

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Time Schedule

Monday, 24 September 2007, 13:20-17:20 h

	Time
Introduction and Historical Perspective	13:20
1. Welcome and Introduction	13:20
2. The Task and General Field Solution Strategies	13:30
Frequency vs. Time Domain Electromagnetics - Theoretical Foundations	14:00
3. Classification of Electromagnetic Solution Methods	14:00
3.1 Time-Harmonic Field Solutions	14:10
3.2 Transient Field Solutions	14:20
4. Computational Burden	14:30
5. Relationships between Frequency and Time Domain Methods	14:40
Break	15:00
Functional Characteristics Time Domain EM Simulators	15:20
6. Geometrical input and discretization	15:30
7. Field excitation and time stepping	15:40
8. Signal output, processing and visualization	15:50
9. Field embedding of circuits and devices	16:00
10. Field-based design and optimization	16:10
11. Validation and error correction	16:20
Demonstrations and EMC Problem Solving Examples	16:30
Discussion, Summary and Conclusions.	17:10
End of Tutorial	17:20