ALPEN-ADRIA UNIVERSITÄT KLAGENFURT

INVITATION TO THE PRESENTATION ABOUT THE WORK-PLACEMENT

Discrete Event Simulation of a Wafer Fabrication

Andreas Egarter | Universität Klagenfurt

Chaired by Franz Rendl | Department of Mathematics

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https://classroom.aau.at/b/mes-aum-pwr

ABSTRACT

The Wafer Fabrication (FAB) is one of the most complex kind of manufacturing facilities and therefore the third dimension of manufacturing is essential to guarantee a good performance of the production. One way to investigate and improve the process of manufacturing is by simulating the entire wafer FAB. In this presentation I want to tell you about the approach the Infineon Technologies used in order to simulate the FAB in Villach, which has a yearly output of about 11 billion product units per year. Beginning with an overview of the simulation itself, the report will also cover my personal work experience on the simulation model which aimed for maintaining the model, adapting it to the production in Villach and improving the overall performance.

We hope to see you there!