



Status BAW modelling programme

Project details

Semiconductor Components group:

Vacancy (Ph.D. student)

Ray Hueting & Jurriaan Schmitz

Start project: sept 2007 (expected)

Business carrier: Bulk Acoustic Wave (BAW)
Resonator

Owner: Nick Pulsford (NXP)



Project issues

- Determination of physical parameters
- Complexity-accuracy trade-off of a device model
- One dimensional vs. two-dimensional modelling
- Nonlinearity



Project plan

First half year at NXP Research Eindhoven
with daily guidance of a BAW specialist

- Literature survey
- Get to know available tools/equipment
- Implement model in e.g. ADS



Contact

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