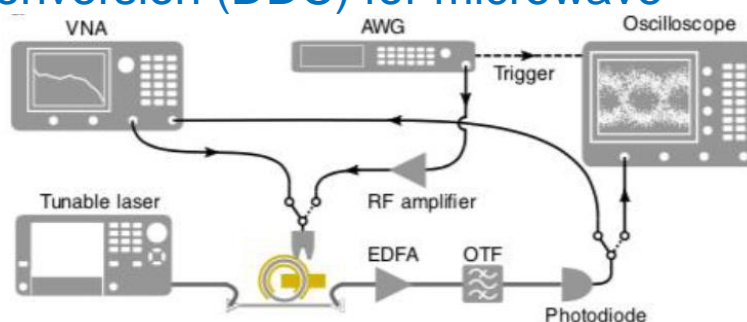

Research Thesis/Topic

In cooperation with logicdev e.U.



System level study of Tunable laser and Direct digital conversion (DDC) for microwave



Source:IMEC

Research Topic(s):

Examining and defining the need for Tunable laser and DDC functionality. What are the available procedures, operating range, and limitations of the tuner and DDC? Which technology is employed, system configuration, control structure, bandwidth, power, temperature dependence, and corrective action are all factors to be considered. Exists a method for continuous correction or calibration across a temperature range? Analyze and investigate the above configuration and how the different configurations of DDC and Tunable laser are utilized for various test cases.

About us:

logicdev, a Graz-based startup, is developing AI-based testing equipment. To support quantum physics research, we are developing photonic-based testing equipment.

Approach / Methodology:

- Supervise & Direct contact with companies' engineers and experts

Organisational Matters:

- Start of work: January 2023
- Workplace: Graz
- Student per project: maximum 2

Supervisor /Contact person:

Professor:

Company: MSc Deepak Katkoria (contact@logicdev.eu)/+43 6764639222