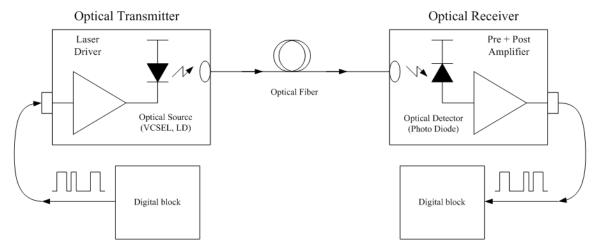
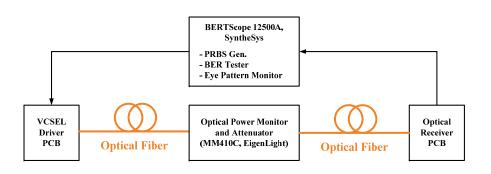
# Introduction

- Topic
  - Optical receiver and transmitter analog front-end
- Team member
  - Team member: K.Y Park
- Sponsor
  - Industry-University-Research Cooperation Course with Korea Electronics Technology Institute (KETI)

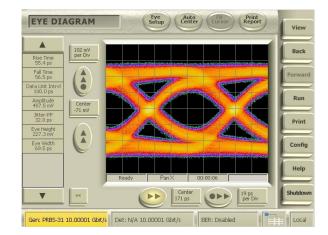
### **Research** explanation



- High speed VCSEL driver & Optical receiver front-end
- ✤ Data rate : up to 10-Gb/s



**Optical link measurement setup** 



#### 10-Gb/s Eye Pattern of complete optical link

## **Publication**

### Conference

 Kang-Yeob Park, Won-Seok Oh, Young-Min Im, and Woo-Young Choi, "A 4x10-Gb/s Optical Receiver and VCSEL Driver Array in 0.13-µm CMOS Technology", COOC2008, pp.32-33, Busan, 14-16 May, 2008