

# Introduction

## ❖ Topic

- CMOS integrated optical receiver(circuit part)

## ❖ Team member

- Team member: H.S Kang, M.J Lee, K.Y park, J.S Yoon
  - Physical PD modeling part : H.S Kang, M.J Lee
  - Electronic circuit part : K.Y park, J.S Yoon

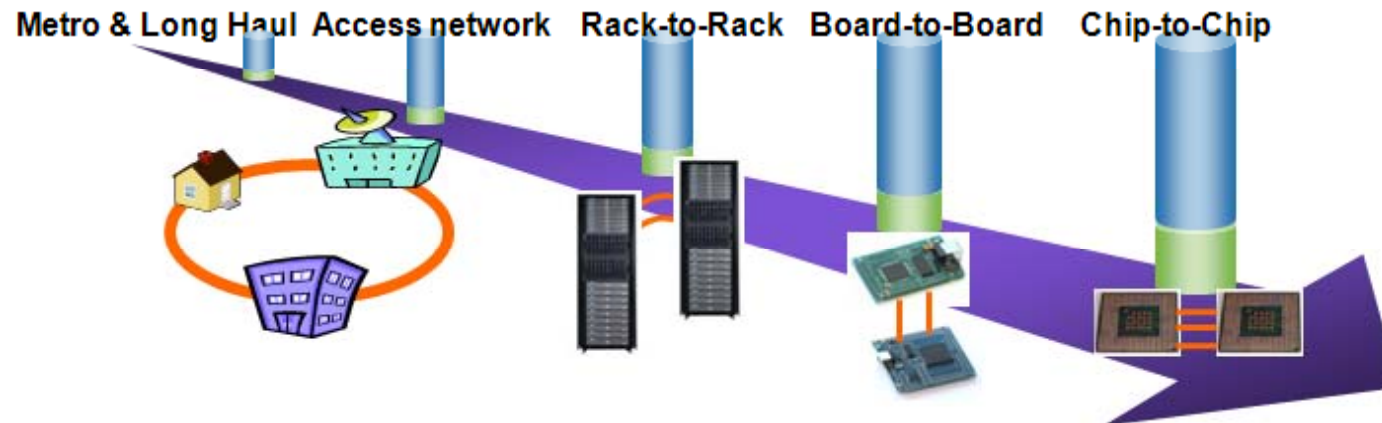
## ❖ Sponsor

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# Introduction

## ❖ Importance of research

- Evolution of optical communication



→ Cost issue !! (Increasing number of optical components)

**Solution!!**

CMOS integration(PD+electronic circuits)

- Photodetection of 850nm optical signal
- Low cost compared with III-V compound semiconductor
- Universal platform for electronic circuits