



An Iterative BP-CNN Architecture for Channel Decoding

Problem

Results

**Proposed
Solution**

**Update
Method**

Authors:

Fei Liang
Senior Member, IEEE

Cong Shen
Senior Member, IEEE

Feng Wu,
Fellow, IEEE

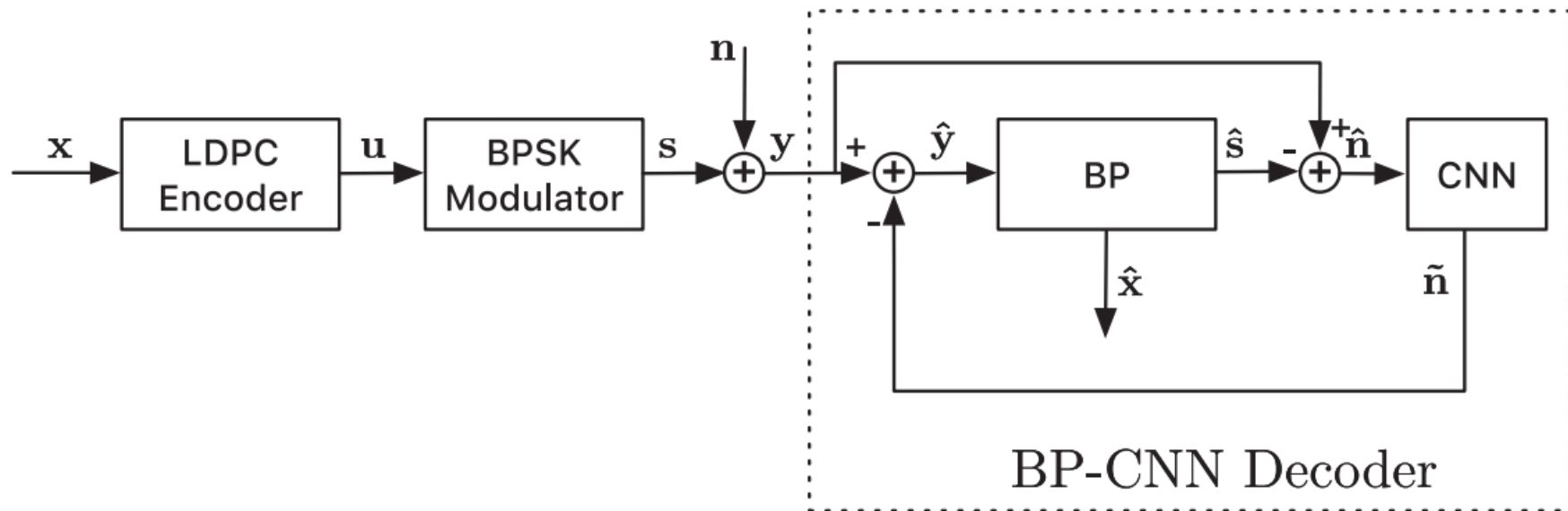
Presented By:
Tejas Gaikwad
MT19AI021
Indian Institute of Technology, Jodhpur,
Rajasthan, India

Problem

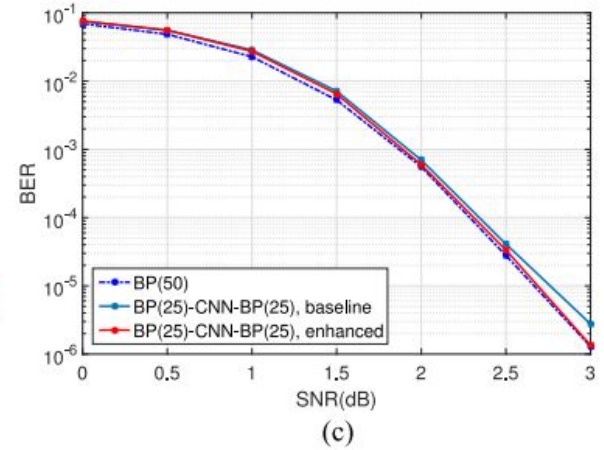
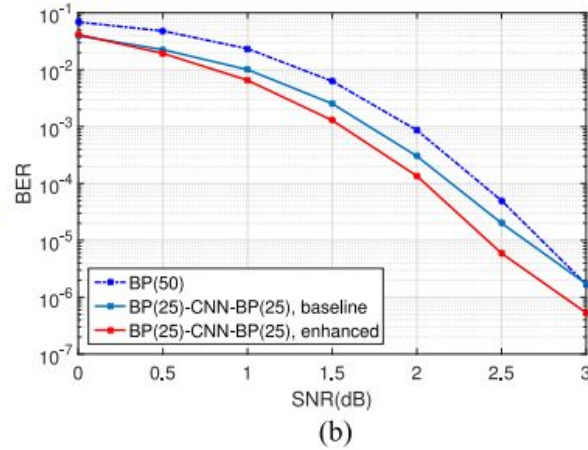
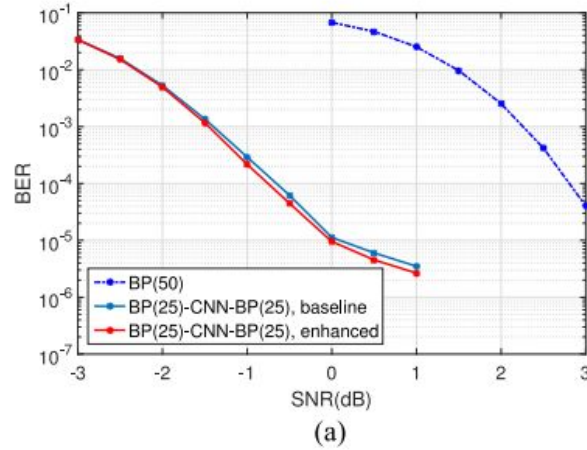
Necessity of effective methods
to recover the received signal
at the receiver noise free



Block Diagram



SNR(db) vs. BER(Bit Error Rate)



**Performance Gain(db)
vs.
correlation Constant**

