

Date : 2024/08/19 ~ 2024/08/25

	Progress	To-do(short term)	Goal(long term)
김지윤	<ul style="list-style-type: none"> <li>FP32/INT8 모델 T-BFA, FGSM, PGD 공격 베이스 코드 기반으로 하이퍼파라미터 조정하며 실험</li> <li>Parametric noise injection 리뷰(진행중)</li> </ul>	<ul style="list-style-type: none"> <li>Parametric noise injection: Trainable randomness to improve deep neural network robustness against adversarial attack 리뷰 및 코드 분석 완료</li> </ul>	<ul style="list-style-type: none"> <li>INT8 QNN Adversarial Robustness 연구(~11.30)</li> <li>BFA / Adversarial attack Defense Method 분석</li> <li>각 Method 별 성능 비교 및 한계점 분석</li> </ul>
박형동	<ul style="list-style-type: none"> <li>Reparameterization 3~4장 Figure 작성</li> <li>Reparameterization 3~4장 본문 작성</li> </ul>	<ul style="list-style-type: none"> <li>Reparameterization 3~4장 Figure 작성 완료</li> <li>Reparameterization 3~4장 본문 작성 완료</li> <li>Majority Voter 적용 가능성 탐구</li> </ul>	<ul style="list-style-type: none"> <li>Reparameterization 논문 완성 (~08.31)</li> <li>Breaking a monotonicity in Rowhammer (가제) 논문 완성 (~08.31)</li> <li>BNN 에 majority voter 적용(~9.30)</li> </ul>
여인국	<ul style="list-style-type: none"> <li>Reparameterization 3~4장 Figure 작성</li> <li>Reparameterization 3~4장 본문 작성</li> <li>Breaking a monotonicity in Rowhammer (가제) 논문 Intro 작성</li> </ul>	<ul style="list-style-type: none"> <li>Reparameterization 3~4장 Figure 작성 완료</li> <li>Reparameterization 3~4장 본문 작성 완료</li> <li>Breaking a monotonicity in Rowhammer (가제) 논문 Intro 수정완료</li> </ul>	<ul style="list-style-type: none"> <li>Aliasing현상에 효과적인 in dram ecc 작성 (~09.30)</li> <li>Reparameterization 논문 완성 (~08.31)</li> <li>Breaking a monotonicity in Rowhammer (가제) 논문 완성 (~08.31)</li> </ul>
이수학	<ul style="list-style-type: none"> <li>Design of LDPC-based error correcting cipher(2008) 세부 분석(진행중)</li> </ul>	<ul style="list-style-type: none"> <li>Physical layer error correction based cipher (2010) 리뷰</li> </ul>	<ul style="list-style-type: none"> <li>joint LDPC encoding and AES 논문 초안 작성 (~9.30)</li> </ul>
여희주	<ul style="list-style-type: none"> <li>Enhanced cryptcoding: Joint security and advanced dual-step quasi-cyclic LDPC coding (2015) 리뷰 (진행중)</li> </ul>	<ul style="list-style-type: none"> <li>AES code 분석</li> <li>LDPC-ECC code 구현</li> </ul>	<ul style="list-style-type: none"> <li>joint LDPC encoding and AES 논문 초안 작성 (~9.30)</li> </ul>
이수현	<ul style="list-style-type: none"> <li>CiMLoop: A Flexible, Accurate, and Fast Compute-In-Memory Modeling Tool 논문 리뷰</li> </ul>	<ul style="list-style-type: none"> <li>Low Cost Convolutional Neural Network Accelerator Based on Bi-Directional Filtering and Bit-Width Reduction 논문 리뷰</li> </ul>	<ul style="list-style-type: none"> <li>NeuroSim을 활용한 XNOR-Net++ 구현 (~8.31)</li> </ul>
이성현	<ul style="list-style-type: none"> <li>Optimizing Weight Mapping and Data Flow for Convolutional Neural Networks on RRAM based Processing-In-Memory Architecture 논문 리뷰</li> </ul>	<ul style="list-style-type: none"> <li>PTQ,QAT code 분석</li> <li>Low Cost Convolutional Neural Network Accelerator Based on Bi-Directional Filtering and Bit-Width Reduction 논문 리뷰</li> </ul>	<ul style="list-style-type: none"> <li>NeuroSim을 활용한 XNOR-Net++ 구현 (~8.31)</li> </ul>