

정보신호처리 연구실

❖ 지도교수 : 조남익



❖ 구성원

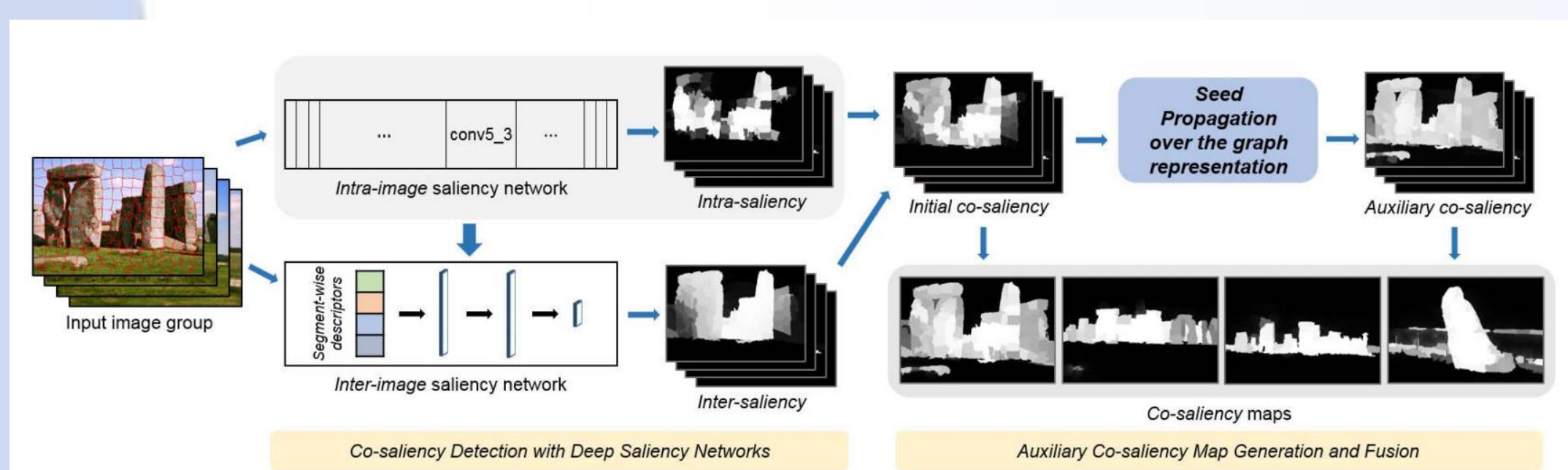
- 박사과정 21명
- 석사과정 9명

❖ 연구분야

- Image Processing
 - Super Resolution
 - Denoising
 - Retrieval
 - HDR
 - OCR, Rectification
 - Compression
- Deep Learning for Computer Vision

❖ 연구 업적 (최근 3년간)

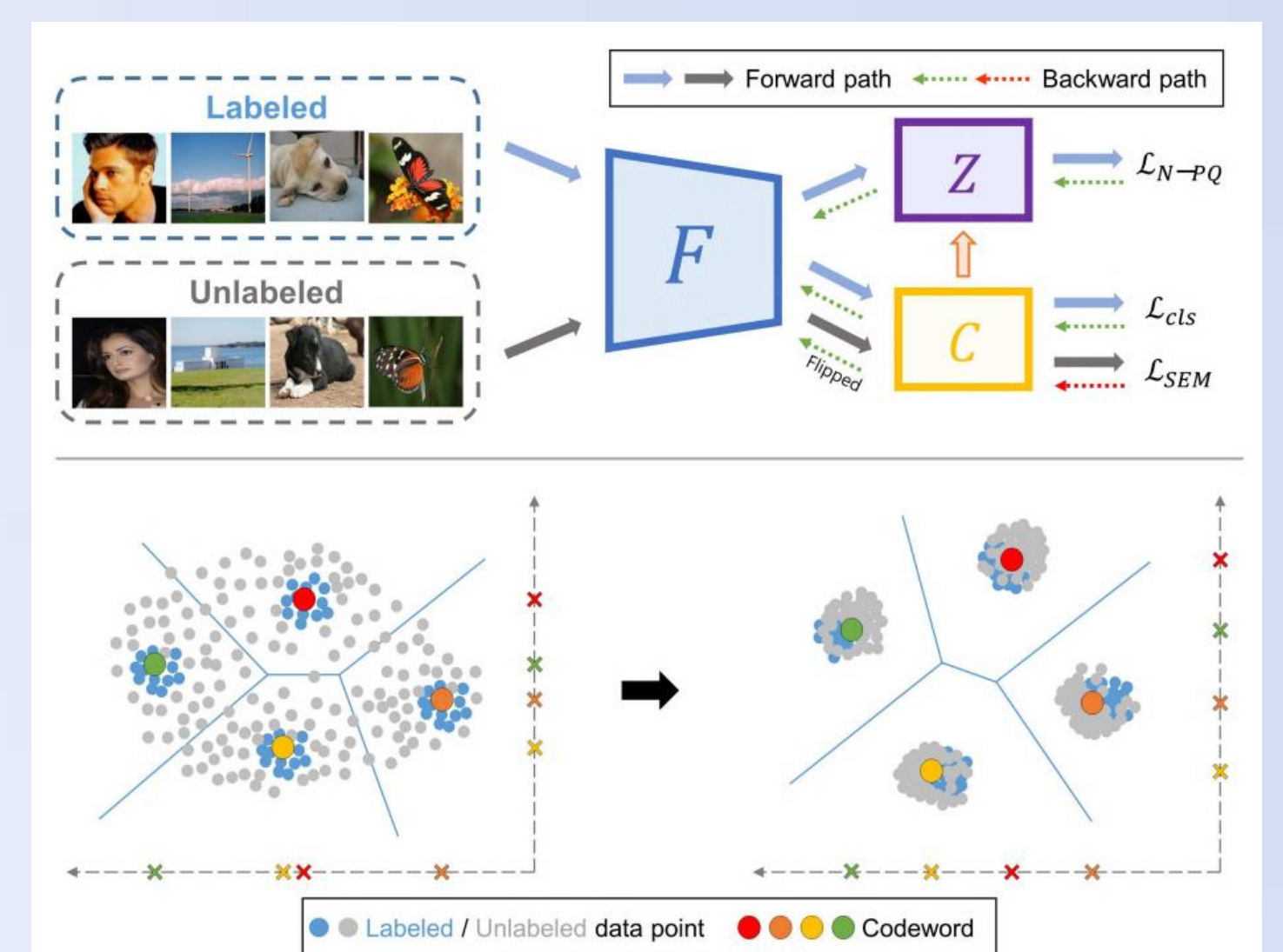
- 국제 저널/학회 : 50 편
- 국내 저널/학회 : 58 편
- 국제 특허 : 1 건 등록
- 국내 특허 : 10 건 등록



- “Co-salient object detection based on deep saliency networks and seed propagation over an integrated graph”, TIP, 2018.



- “Transfer Learning from Synthetic to Real-Noise Denoising with Adaptive Instance Normalization”, CVPR, 2020.



- “Generalized Product Quantization Network for Semi-supervised Image Retrieval”, CVPR, 2020.



- “Meta-Transfer Learning for Zero-Shot Super-Resolution”, CVPR, 2020.



- “Natural and Realistic Single Image Super-Resolution with Explicit Natural Manifold Discrimination”, CVPR, 2019.

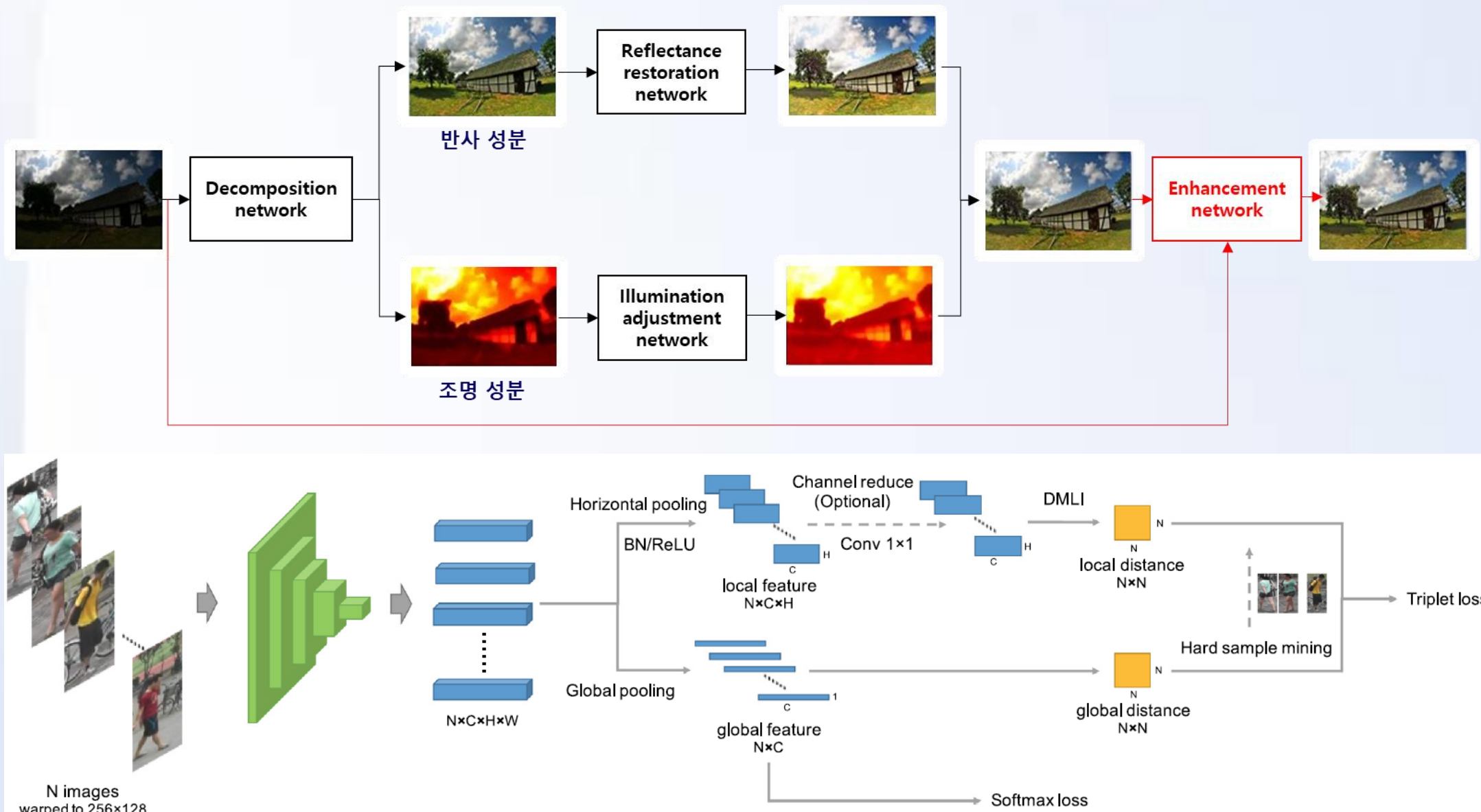
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❖ 2020년 프로젝트 실적

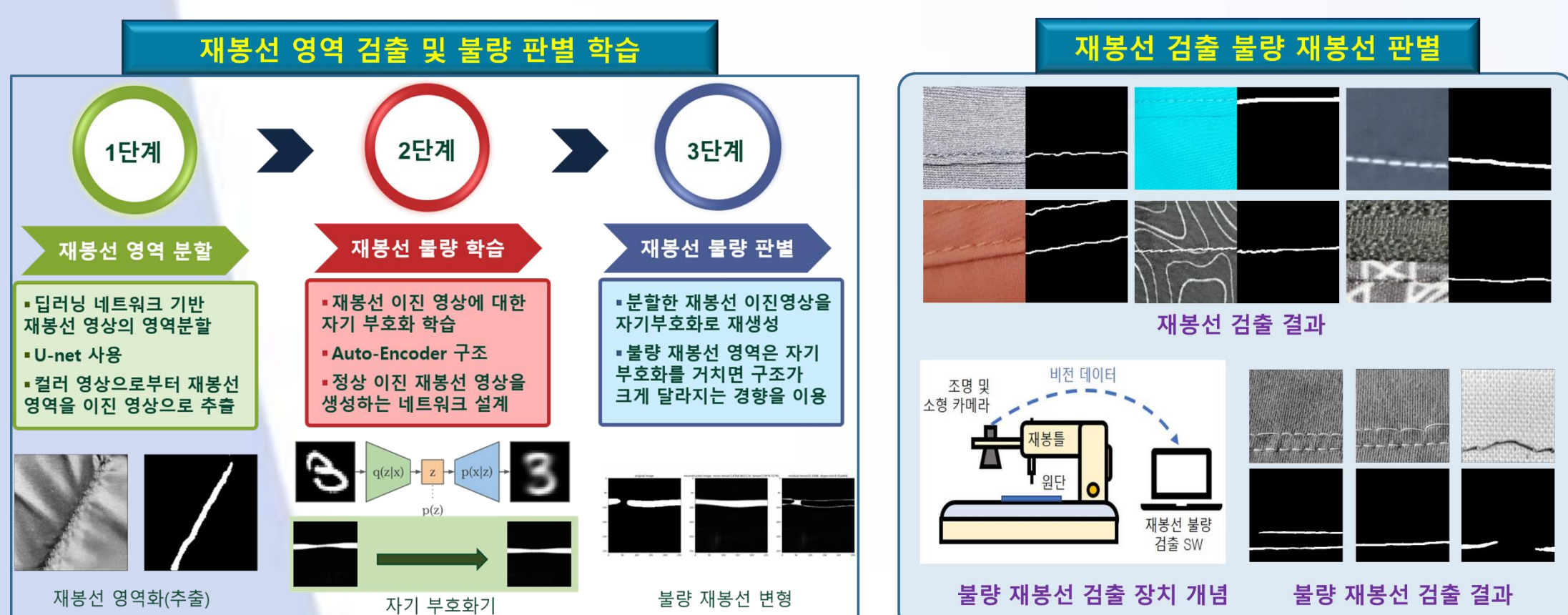
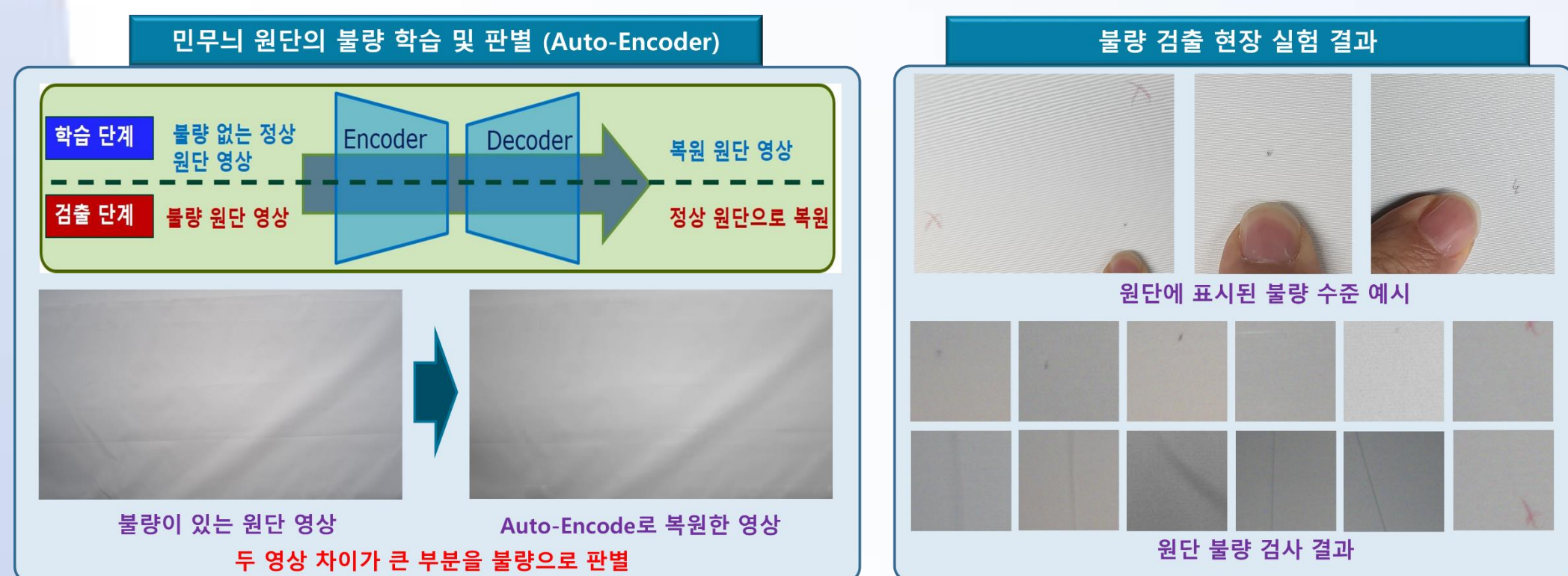
- 국가 과제 5건
- 산업체 과제 15건

❖ 최근 프로젝트 소개

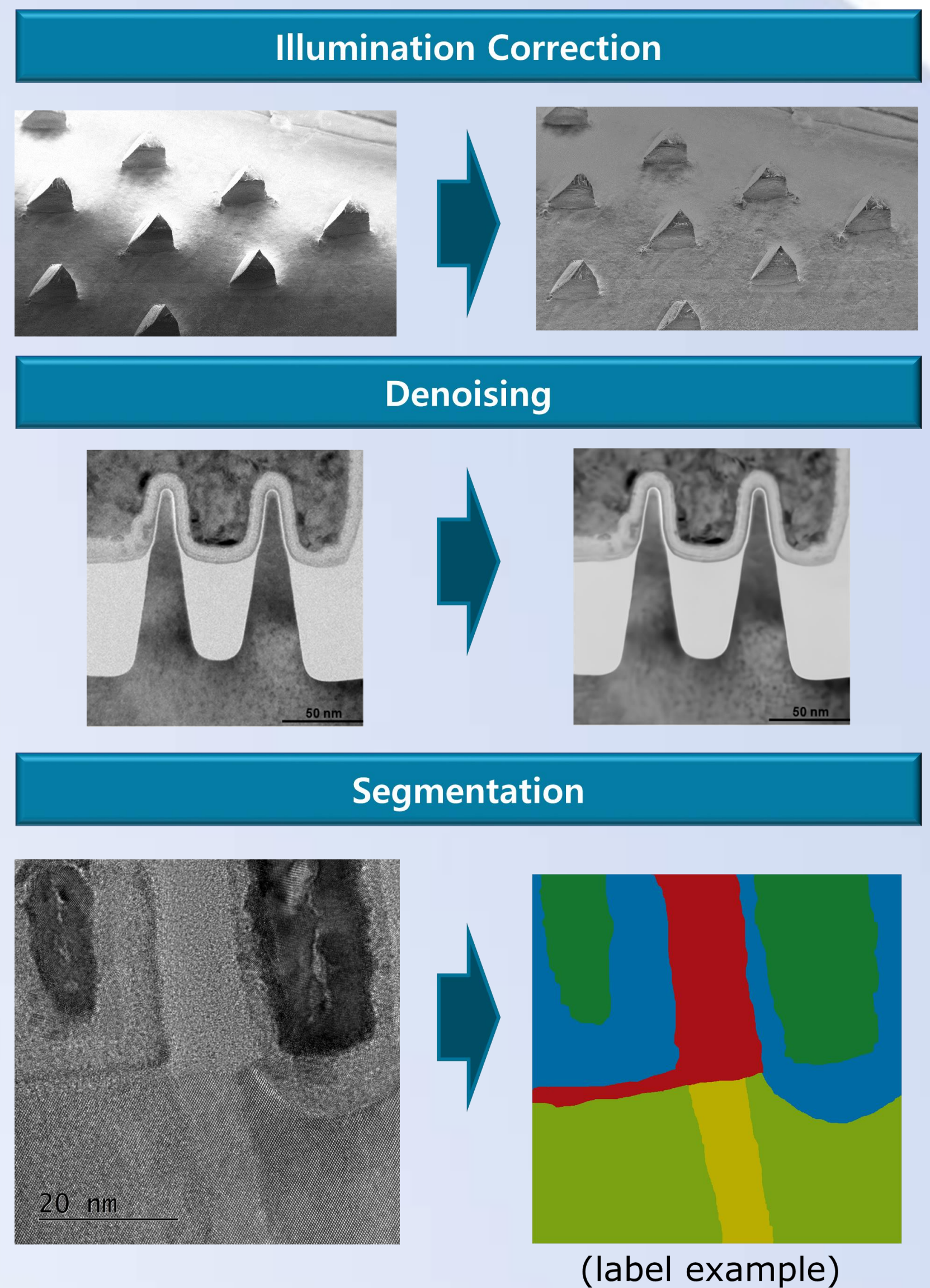
- Big Data-based Intelligent CCTV Search and Person Identification



- Deep Learning-based Fabric Inspection



- Image Enhancement and Segmentation for Transmission Electron Microscopy Images



- Instruction Deduction from Assembly Instruction Images for Automatic Assembly Task Planning

