SAIL Winter Plan

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Lab policy

Working time

- 10:00AM ~ ?? (Mon. to Fri.)
- Lab off: 23rd Dec. to 11th Jan.

Lab seminar operation in Winter vacation

- Every Monday and Thursday 13:00PM ~
- Contents
  - Weekly report: All teams/week
  - **Paper review**: 2 student/seminar
    - **Paper archive for SAIL**: #6 Senseable AI Lab/#5-1 Paper

이름	상태	수정한 날짜	유형
Essential Papers for Computer Vision	⊘	2023-12-08 오후 1:53	파일 폴더
Papers for C-ITS	⊘	2023-12-08 오후 1:53	파일 폴더
Papers for Deep Learning Tech	⊘	2023-12-08 오후 1:53	파일 폴더
Papers for Lane Changes	⊘	2023-12-08 오후 1:53	파일 폴더
Papers for Traffic Safety	⊘	2023-12-08 오후 1:53	파일 폴더
Papers for UAVs	⊘	2023-12-08 오후 1:53	파일 폴더
Papers for Urban Engineering	⊘	2023-12-08 오후 1:53	파일 폴더
Papers for XAI	⊘	2023-12-08 오후 1:53	파일 폴더

SENSEABLE AI LAB (SAIL)
Dept. of AI and Big Data, Soonchunhyang University

About SAIL News Research Members Publications ▾ Lab Works Courses ▾

Lab Works

Lab seminar presentation

Date	Topic	Speaker	Attachment
Oct. 30, 2023	[Paper review] NetCube: a comprehensive network traffic analysis model based on multidimensional...	전주빈	[pdf][review]
Oct. 30, 2023	[Paper review] An integrated lane change prediction model incorporating traffic context based ...	홍석준	[pdf][review]
Oct. 30, 2023	[Paper review] QPIC: Query-Based Pairwise Human-Object Interaction Detection with Image-Wide...	김병준	[pdf][review]
Sep. 18, 2023	[Paper review] Modeling-vehicle-pedestrian-interactions-outside-of-crosswalks	김성훈	[pdf][review]
Sep. 04, 2023	[Paper review] Effects of tougher school zone laws on road traffic safety in school zones for children...	전주빈	[pdf][review]
Aug. 22, 2023	[Paper review] Lane-Change Detection Based on Vehicle-Trajectory Prediction	임재균	[pdf][review]
Aug. 16, 2023	[Paper review] Real-time pedestrian pose estimation, tracking and localization for social distancing	김병준	[pdf][review]
Aug. 16, 2023	[Paper review] Teeth Segmentation for Orthodontic based on Deep Learning	민현식	[pdf][review]
Aug. 01, 2023	[Book review] Machine Learning – Chapter 6	전주빈	[pdf][note]
Jul. 25, 2023	[Book review] Machine Learning – Chapter 6	민현식	[pdf][note]
Jul. 18, 2023	[Book review] Machine Learning – Chapter 4	임재균	[pdf][note]
Jul. 11, 2023	[Book review] Machine Learning – Chapter 3	김성훈	[pdf][note]

All member: Reading 2papers/week

Project list

Trajectory prediction team

- (TF) Pose estimation part: **김병훈** 전인수

- Lane change prediction part: **임재균 (Pending)**

- Right turn prediction part

- Vehicle-pedestrian potential collision prediction part

Drone vision team

- (TF) UAV in-aircraft security part: **김병훈**

- Lane change prediction part: **홍석준** 임재균 이호우

- Smart aerial delivering part: **송정훈** 백경선 김진성

Traffic accident analysis

- DTG data analysis part: **진주빈** 김성훈

- Safety report analysis part: **민현식**

Paper submission plan

SCI(E)/SSCI (Deadline: 23rd Feb.)

- Pose estimation part: **김병훈** 전인수 ➔ **Information Fusion**

- UAV in-aircraft security part **김병훈** ➔ **Expert Systems with Application**

- Lane change prediction part: **홍석준** 임재균 이호우 ➔ **Transportation Research Part C**

- Smart aerial delivering part: **송정훈** 백경선 김진성 ➔ **Transportation Research Part C**

- DTG data analysis part: **진주빈** 김성훈 ➔ **Accident Analysis and Prevention**

- Building segmentation: 장주현 임재균 ➔ **Sustainable Cities and Society**

- Factory operation

  - Two-wheeler vehicle accident prediction for food delivery (Sustainable Cities and Society) – KAIST

  - Effectiveness analysis of Minsick's law enforcement (Accident Analysis and Prevention) – EPFL

  - Urban traffic accident prediction (TR Part C) – Gustave Eiffel University

  - Federated learning method for urban traffic accident prediction (IEEE T-ITS) – ETRI

  - K-Contents analysis (Journal of Business Review) – CAU

Paper submission plan

KCl (Deadline: 20th Dec.)

- NLP: 홍석준 team, 진주빈 team
- Teeth: 민현식

Patent

- 홍석준 team, 진주빈 team, 이세희 team, 이병천 team

(Optional) Domestic conference (Submission deadline: 20th Dec.)

- 컴퓨터정보학회 (http://www.ksci.re.kr/sub/subMain.jsp?menuseq=5020) – 순천향대학교
- 홍석준, 송정훈, 민현식, 김성훈, 임재균

Paper submission plan

International conference (Deadline: 1ˢᵗ Feb.)

- 35ᵗʰ IEEE Intelligent Vehicles Symposium (Jeju Sinhwa World)

  - https://ieee-iv.org/2024/

- **김병훈 (UAV security)**

- **진주빈/김성훈 (DTG analysis)**

- **홍석준/임재균 (LC prediction)**

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The IEEE Intelligent Vehicles Symposium (IV) is a premier conference sponsored by the IEEE Intelligent Transportation Systems Society (ITSS). Researchers, engineers, practitioners, and students, from industry, universities and government agencies are invited to present their latest work and to discuss research and applications for intelligent vehicles and vehicle-infrastructure cooperation.

Important Dates

Workshop Proposal Deadline	October 15, 2023
Tutorial Proposal Deadline	November 29, 2023
Paper Submission Deadline	February 1, 2024
Notification of Acceptance	March 30, 2024
Final Paper Submission	April 22, 2024

Contact

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E-Mail. iv2024jeju@gmail.com

Lab meeting schedule

Paper review schedule

Date	Speaker
14th Dec.	김병훈, 진주빈, 송정훈, 민현식
18th Dec.	김성훈, 임재균, 김진성, 이호우
21st Dec.	김병훈, 홍석준, 송정훈
8th Jan.	임재균, 김성훈, (백경선)
11th Jan.	김병훈, 진주빈, 김진성
15th Jan.	민현식, 이호우
18th Jan.	김병훈, 홍석준, 송정훈
22nd Jan.	임재균, 김성훈, (백경선)
25th Jan.	김병훈, 진주빈, 김진성
29th Jan.	민현식, 이호우

Date	Speaker
1st Feb.	김병훈, 홍석준, 송정훈
5th Feb.	임재균, 김성훈, (백경선)
8th Feb.	김병훈, 진주빈, 김진성
12th Feb.	민현식, 이호우
15th Feb.	김병훈, 홍석준, 송정훈
19th Feb.	임재균, 김성훈, (백경선)
22nd Feb.	김병훈, 진주빈, 김진성
26th Feb.	민현식, 이호우
29th Feb.	김병훈, 홍석준, 송정훈

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