FAN XUE

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I was trained as a multidisciplinary engineer, and currently work as Assistant Professor on the theme '**AI + buildings + city**' at Department of Real Estate and Construction, HKU.
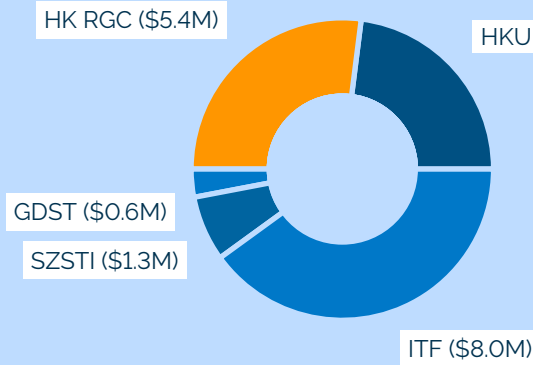
Ph.D.
System Engineering

Hong Kong Polytechnic University (**HKPolyU**) (QS World 57th)

My research interests include
① BIM, DTB, DTC
② derivative-free optimization
③ 3D point cloud
④ urban computing
⑤ machine learning &
⑥ blockchain

RESEARCH PROJECTS

We appreciate the funding agencies for supporting >20 projects as PI/Co-PI, about **HK$ 20M in total**.
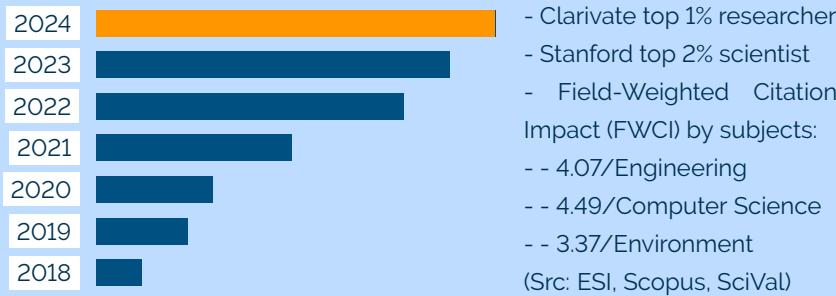
HK RGC ($5.4M)
HKU
GDST ($0.6M)
SZSTI ($1.3M)
ITF ($8.0M)

LANGUAGES

- English
- Putonghua (native)
- Cantonese

MULTIDISCIPLINARY PUBLICATIONS (83% ARTICLES IN TOP JOURNALS)

AiC JCEM AEI CII ISPRS PRS LandUP JCLP

CITATIONS > 7,200, H-INDEX = 44

2024
2023
2022
2021
2020
2019
2018

- Clarivate top 1% researcher
- Stanford top 2% scientist
- Field-Weighted Citation Impact (FWCI) by subjects:
- - 4.07/Engineering
- - 4.49/Computer Science
- - 3.37/Environment
(Src: ESI, Scopus, SciVal)

TEACHING

14 years

of participation at **HKPolyU & HKU**

I was involved in teaching courses at three departments for 10+ years
① ISE (Industrial & Systems Engineering)
② BRE (Building & Real Estate) &
③ RECO (Real Estate & Construction)

RECO7613
RECO7608
RECO7607
RECO6022
RECO4012
RECO4011
RECO3039
RECO2041

TIMELINE OF MY PAST 6 YEARS

2025

Job	Award	Grant (PI)	(Co-PI)

8/2024 1st Prize, GITPA'24 CAGIS
6/2024 2 × Winners @ CVPR2024
6/2024 2 × Mentor @ 16th ICCEM
6/2024 Merit @ HKOpenBIM/GIS 2024
5/2024 HKU Seed Fund
4/2024 Gold @ Geneva 2024
3/2024 ITF #ITT/004/24LP
2/2024 Associate Professor
11/2023 1st Prize, SMSTA'23 @CSPGC
8/2023 BestPaper(1st) @GSCS/ICUI'23
8/2023 OutstandingPaper @CRIOCM'23
6/2023 GRF #17200123
6/2023 Winner @ CVPR2023
5/2023 HKU Seed Fund
3/2023 ITF #ITP/004/23LP
1/2023 CRF #C7080-22GF
11/2022 GDNSF GP
7/2022 BestPaper JCEM @ ASCE
6/2022 1st Runner-up @ CVPR2022
5/2022 HKU Seed Fund
4/2022 Merit @ HKU-IDS Arts Comp.
4/2022 BestPaper RCR @ Elsevier
3/2022 Merit @ HKOpenBIM 2022
11/2021 3 × Awards @ CRIOCM2021
10/2021 Winner @ bSI VSF 2021
Outstanding Alumnus @ CAUC
7/2021 TRS #T22-504/21-R
7/2021 SZSTI #SGDX202011...02
6/2021 2nd Runner-up @ CVPR2021
6/2021 GRF #17200221
5/2021 HKU Seed Fund
4/2021 HKU TDG Fund
3/2021 PhD quota (Central pool)
12/2020 ITF #ITP/029/20LP
11/2020 5 × Awards @ CRIOCM2020
9/2020 Featured Art @ ISPRS JPRS
6/2020 ECS Award @ HK RGC
6/2020 ECS #27200520
5/2020 HKU Seed Fund
4/2020 HKU Research Output Prize
3/2020 HKU Seed Fund
10/2019 Best Paper @ ICSBS2019
8/2019 GDKP #2019B010151001
7/2019 Assistant Professor
5/2019 HKU-THU SPF
3/2019 HKU Seed Fund

2019