

# Chanyoung Park

## CONTACT INFORMATION

**Assistant Professor**  
Data Science & Artificial Intelligence Lab (DSAIL)  
Dept. of Industrial & Systems Engineering, KAIST  
The Kim Jaechul Graduate School of AI, KAIST  
Graduate School of Data Science, KAIST  
Room #4104, E2-2 (Industrial & Management Building)

Phone: +82-42-350-3137  
Email: cy.park@kaist.ac.kr  
Homepage: <https://dsail.kaist.ac.kr>

[Google Scholar](#)

## CURRENT RESEARCH

### Data-Centric AI, Model-Centric AI, Multimodal Data Mining, AI for Science

- Mining meaningful knowledge from multimodal data to develop artificial intelligence solutions for various real-world applications across different disciplines.
- **Application domains:** Recommendation system, AI for Science (Materials science, Chemistry, Bioinformatics), Social network analysis, Medical image analysis, Fraud/Anomaly detection, Knowledge graph, Sentiment analysis, Purchase/Click prediction, Time-series and spatio-temporal analysis, etc.

## POSITIONS

**KAIST**, Daejeon, South Korea Nov 2020 – Present

- Assistant Professor, Dept. of Industrial & Systems Engineering
- Assistant Professor, The Kim Jaechul Graduate School of AI
- Assistant Professor, Graduate School of Data Science

**University of Illinois at Urbana-Champaign**, Urbana, IL, USA Jan 2019 – Oct 2020

- Postdoctoral Reserach Fellow in Computer Science Department
  - Host: [Prof. Jiawei Han](#)
  - Topics: Multimodal data mining, Heterogeneous network representation learning

**Microsoft Research**, Beijing, China Sep 2017 – Dec 2017

- Research Intern
  - Mentor: [Dr. Xing Xie](#)
  - Project: Collaborative Translational Metric Learning

**NAVER**, Seongnam, South Korea Mar 2017 – Aug 2017

- Research Intern
  - Mentors: [Dr. Jung-Tae Lee](#), and [Dr. Min-Chul Yang](#)
  - Project: Click-aware Purchase Prediction with Push at the Top

## EDUCATION

**Pohang University of Science and Technology**, Pohang, South Korea Feb 2019

- Ph.D. in Computer Science and Engineering
  - Thesis: Recommendation Framework via Matrix Factorization and Translation
  - Advisor: [Prof. Hwanjo Yu](#)
  - Topics: Multimodal data mining, User behavior modeling, Recommender system

**Sogang University**, Seoul, South Korea Feb 2014

- B.S. in Computer Science and Engineering

## AWARDS & SCHOLARSHIPS

**Best Paper Award** 2024

- KDD 2024 Workshop on Federated Learning for Data Mining and Graph Analytics (FedKDD), Barcelona, Spain

**Best Paper Award** 2024

- KDD 2024 Workshop on Human-Interpretable AI, Barcelona, Spain

**Gold Prize, 30th Samsung Humantech Paper Award** 2024

**Technology Innovation Awards of College of Engineering, KAIST** 2023

**Top Reviewer of NeurIPS** 2023

**Best Paper Award** 2023

- ICML 2023 Workshop on Computational Biology, Hawaii, USA

**KAIST Excellence in Teaching Award of Year 2022** 2023

**Best Teaching Award** 2023

- Dept. of Industrial and Systems Engineering, KAIST

**ICDM Travel Award** 2018

- International Conference on Data Mining, Singapore

<b>Award of excellence</b>	2017
<ul style="list-style-type: none"> <li>Microsoft Research Asia Internship Program, Beijing, China</li> <li>Awarded to the best intern</li> </ul>	
<b>Naver Ph.D Fellowship</b>	2016
<ul style="list-style-type: none"> <li>Awarded to outstanding Ph.D students majoring in computer science in Korea</li> </ul>	
<b>RecSys Challenge 2015</b>	2015
<ul style="list-style-type: none"> <li>Ranked 10 out of 850 teams from 49 countries (Top 1.1%)</li> <li>Task: Click/Purchase Prediction</li> </ul>	
<b>Dean's List</b>	Fall 2013
<ul style="list-style-type: none"> <li>Sogang University</li> </ul>	

## PUBLICATIONS

## CONFERENCES

- [C49] Debiased Graph Poisoning Attack via Contrastive Surrogate Objective  
Kanghoon Yoon, Yeonjun In, Namkyeong Lee, Kibum Kim, **Chanyoung Park**  
ACM International Conference on Information and Knowledge Management (**CIKM 2024**)
- [C48] Vision Language Model is NOT All You Need: Augmentation Strategies for Molecule Language Models  
Namkyeong Lee, Siddhartha Laghuvarapu, **Chanyoung Park**, Jimeng Sun  
ACM International Conference on Information and Knowledge Management (**CIKM 2024**)
- [C47] Semantic Diversity-aware Prototype-based Learning for Unbiased Scene Graph Generation  
Jaehyeong Jeon, Kibum Kim, Kanghoon Yoon, **Chanyoung Park**  
European Conference on Computer Vision (**ECCV 2024**)
- [C46] Multiplexed Immunofluorescence Image Analysis through an Efficient Multiplex Network  
Sukwon Yun, Jie Peng, Alexandro Trevino, **Chanyoung Park**, Tianlong Chen  
European Conference on Computer Vision (**ECCV 2024**)
- [C45] Large Language Models meet Collaborative Filtering: An Efficient All-round LLM-based Recommender System  
Sein Kim\*, Hongseok Kang\*, Seungyoon Choi, Donghyun Kim, Minchul Yang, **Chanyoung Park**  
ACM SIGKDD Conference on Knowledge Discovery and Data Mining (**KDD 2024**)
- [C44] Self-Explainable Temporal Graph Networks based on Graph Information Bottleneck  
Sangwoo Seo, Sungwon Kim, Jihyeong Jung, Yoonho Lee, **Chanyoung Park**  
ACM SIGKDD Conference on Knowledge Discovery and Data Mining (**KDD 2024**)
- [C43] LLM4SGG: Large Language Models for Weakly Supervised Scene Graph Generation  
Kibum Kim, Kanghoon Yoon, Jaehyeong Jeon, Yeonjun In, Jinyoung Moon, Donghyun Kim, **Chanyoung Park**  
IEEE/CVF Computer Vision and Pattern Recognition Conference (**CVPR 2024**)
- [C42] Self-guided Robust Graph Structure Refinement  
Yeonjun In, Kanghoon Yoon, Kibum Kim, Kijung Shin, **Chanyoung Park**  
The Web Conference 2024 (**WWW 2024**)
- [C41] DSLR: Diversity Enhancement and Structure Learning for Rehearsal-based Graph Continual Learning  
Seungyoon Choi\*, Wonjoong Kim\*, Sungwon Kim, Yeonjun In, Sein Kim, **Chanyoung Park**  
The Web Conference 2024 (**WWW 2024**)
- [C40] Adaptive Self-training Framework for Fine-grained Scene Graph Generation  
Kibum Kim\*, Kanghoon Yoon\*, Yeonjun In, Jinyoung Moon, Donghyun Kim, **Chanyoung Park**  
Twelfth International Conference on Learning Representations (**ICLR 2024**)
- [C39] Sterling: Synergistic Representation Learning on Bipartite Graphs  
Baoyu Jing, Yuchen Yan, Kaize Ding, **Chanyoung Park**, Yada Zhu, Huan Liu, Hanghang Tong  
Thirty-Eighth AAAI Conference on Artificial Intelligence (**AAAI 2024 (Oral)**)
- [C38] Interpretable Prototype-based Graph Information Bottleneck  
Sangwoo Seo, Sungwon Kim, **Chanyoung Park**  
Thirty-seventh Conference on Neural Information Processing Systems (**NeurIPS 2023**)
- [C37] Density of States Prediction of Crystalline Materials via Prompt-guided Multi-Modal Transformer  
Namkyeong Lee\*, Heewoong Noh\*, Sungwon Kim, Dongmin Hyun, Gyoung S. Na, **Chanyoung Park**  
Thirty-seventh Conference on Neural Information Processing Systems (**NeurIPS 2023**)

- [C36] MUSE: Music Recommender System with Shuffle Play Recommendation Enhancement  
Yunhak Oh\*, Sukwon Yun\*, Dongmin Hyun, Sein Kim, **Chanyoung Park**  
ACM International Conference on Information and Knowledge Management (**CIKM 2023**)
- [C35] Class Label-aware Graph Anomaly Detection  
Junghoon Kim, Yeonjun In, Kanghoon Yoon, Junmo Lee, **Chanyoung Park**  
ACM International Conference on Information and Knowledge Management (**CIKM 2023**) (Short Paper)
- [C34] Structural Mixup for Graph Neural Networks  
Junghun Kim\*, Sukwon Yun\*, **Chanyoung Park**  
ACM International Conference on Information and Knowledge Management (**CIKM 2023**) (Short Paper)
- [C33] Similarity Preserving Adversarial Graph Contrastive Learning  
Yeonjun In\*, Kanghoon Yoon\*, **Chanyoung Park**  
ACM SIGKDD Conference on Knowledge Discovery and Data Mining (**KDD 2023**)
- [C32] Shift-Robust Molecular Relational Learning with Causal Substructure  
Namkyeong Lee, Kanghoon Yoon, Gyoung S. Na, Sein Kim, **Chanyoung Park**  
ACM SIGKDD Conference on Knowledge Discovery and Data Mining (**KDD 2023**)
- [C31] Task-Equivariant Graph Few-shot Learning  
Sungwon Kim, Junseok Lee, Namkyeong Lee, Wonjoong Kim, Seungyoon Choi, **Chanyoung Park**  
ACM SIGKDD Conference on Knowledge Discovery and Data Mining (**KDD 2023**)
- [C30] Task Relation-aware Continual User Representation Learning  
Sein Kim, Namkyeong Lee, Donghyun Kim, Min-Chul Yang, **Chanyoung Park**  
ACM SIGKDD Conference on Knowledge Discovery and Data Mining (**KDD 2023**)
- [C29] Conditional Graph Information Bottleneck for Molecular Relational Learning  
Namkyeong Lee, Dongmin Hyun, Gyoung S. Na, Sungwon Kim, Junseok Lee, **Chanyoung Park**  
International Conference on Machine Learning (**ICML 2023**)
- [C28] MELT: Mutual Enhancement of Long-Tailed User and Item for Sequential Recommendation  
Kibum Kim, Dongmin Hyun, Sukwon Yun, **Chanyoung Park**  
ACM SIGIR Conference on Research and Development in Information Retrieval (**SIGIR 2023**)
- [C27] Unbiased Heterogeneous Scene Graph Generation with Relation-aware Message Passing Neural Network  
Kanghoon Yoon\*, Kibum Kim\*, Jinyoung Moon, **Chanyoung Park**  
Thirty-Seventh AAAI Conference on Artificial Intelligence (**AAAI 2023**)
- [C26] Heterogeneous Graph Learning for Multi-modal Medical Data Analysis  
Sein Kim, Namkyeong Lee, Junseok Lee, Dongmin Hyun, **Chanyoung Park**  
Thirty-Seventh AAAI Conference on Artificial Intelligence (**AAAI 2023 (Oral)**)
- [C25] Generating Multiple-Length Summaries via Reinforcement Learning for Unsupervised Sentence Summarization  
Dongmin Hyun, Xiting Wang, **Chanyoung Park**, Xing Xie, Hwanjo Yu  
Conference on Empirical Methods in Natural Language Processing (**EMNLP 2022 (Findings)**)
- [C24] Set2Box: Similarity Preserving Representation Learning for Sets  
Geon Lee, **Chanyoung Park**, Kijung Shin  
The IEEE International Conference on Data Mining (**ICDM 2022**)
- [C23] LTE4G: Long-Tail Experts for Graph Neural Networks  
Sukwon Yun, Kibum Kim, Kanghoon Yoon, **Chanyoung Park**  
ACM International Conference on Information and Knowledge (**CIKM 2022**)
- [C22] Relational Self-Supervised Learning on Graphs  
Namkyeong Lee, Dongmin Hyun, Junseok Lee, **Chanyoung Park**  
ACM International Conference on Information and Knowledge (**CIKM 2022**)
- [C21] Beyond Learning from Next Item: Sequential Recommendation via Personalized Interest Sustainability  
Dongmin Hyun, **Chanyoung Park**, Junsu Cho, Hwanjo Yu  
ACM International Conference on Information and Knowledge (**CIKM 2022**)

- [C20] Nonlinearity Encoding for Extrapolation of Neural Networks  
Gyoung S. Na, **Chanyoung Park**  
ACM SIGKDD Conference on Knowledge Discovery and Data Mining (**KDD 2022**)
- [C19] GraFN: Semi-Supervised Node Classification on Graph with Few Labels via Non-Parametric Distribution Assignment  
Junseok Lee, Yunhak Oh, Yeonjun In, Namkyeong Lee, Dongmin Hyun, **Chanyoung Park**  
ACM SIGIR Conference on Research and Development in Information Retrieval (**SIGIR 2022**) (Short Paper)
- [C18] AHP: Learning to Negative Sample for Hyperedge Prediction  
Hyunjin Hwang, Seungwoo Lee, **Chanyoung Park**, Kijung Shin  
ACM SIGIR Conference on Research and Development in Information Retrieval (**SIGIR 2022**) (Short Paper)
- [C17] Augmentation-Free Self-Supervised Learning on Graphs  
Namkyeong Lee, Junseok Lee, **Chanyoung Park**  
Thirty-Sixth AAAI Conference on Artificial Intelligence (**AAAI 2022**)
- [C16] Learnable Structural Semantic Readout for Graph Classification  
Dongha Lee, Su Kim, Seonghyeon Lee, **Chanyoung Park**, Hwanjo Yu  
IEEE International Conference on Data Mining (**ICDM 2021**) (Short Paper)
- [C15] Bootstrapping User and Item Representations for One-Class Collaborative Filtering  
Dongha Lee, Seongku Kang, Hyunjun Ju, **Chanyoung Park**, Hwanjo Yu  
ACM SIGIR Conference on Research and Development in Information Retrieval (**SIGIR 2021**)
- [C14] HDMI: High-order Deep Multiplex Infomax  
Baoyu Jing, **Chanyoung Park**, Hanghang Tong  
The Web Conference (**WWW 2021**)
- [C13] Interest Sustainability-Aware Recommender System  
Dongmin Hyun, Junsu Cho, **Chanyoung Park**, Hwanjo Yu  
IEEE International Conference on Data Mining (**ICDM 2020**)
- [C12] Unsupervised Differentiable Multi-aspect Network Embedding  
**Chanyoung Park**, Carl Yang, Qi Zhu, Donghyun Kim, Hwanjo Yu and Jiawei Han  
ACM SIGKDD Conference on Knowledge Discovery and Data Mining (**KDD 2020**)
- [C11] Unsupervised Attributed Multiplex Network Embedding  
**Chanyoung Park**, Donghyun Kim, Jiawei Han, Hwanjo Yu  
Thirty-Fourth AAAI Conference on Artificial Intelligence (**AAAI 2020**)
- [C10] Task-Guided Pair Embedding in Heterogeneous Network  
**Chanyoung Park**, Donghyun Kim, Qi Zhu, Jiawei Han, Hwanjo Yu  
ACM International Conference on Information and Knowledge (**CIKM 2019**)
- [C9] BHIN2vec: Balancing the Type of Relation in Heterogeneous Information Network  
Seonghyun Lee, **Chanyoung Park**, Hwanjo Yu  
ACM International Conference on Information and Knowledge (**CIKM 2019**)
- [C8] Action Space Learning for Heterogeneous User Behavior Prediction  
Dongha Lee, **Chanyoung Park**, Hyunjun Ju, Junyoung Hwang, Hwanjo Yu  
International Joint Conference on Artificial Intelligence (**IJCAI 2019**)
- [C7] Sequential and Diverse Recommendation with Long Tail  
Yejin Kim, Kwangseob Kim, **Chanyoung Park**, Hwanjo Yu  
International Joint Conference on Artificial Intelligence (**IJCAI 2019**)
- [C6] Collaborative Translational Metric Learning  
**Chanyoung Park**, Donghyun Kim, Xing Xie, Hwanjo Yu  
IEEE International Conference on Data Mining (**ICDM 2018**)
- [C5] Review Sentiment-Guided Scalable Deep Recommender System  
Dongmin Hyun, **Chanyoung Park**, Min-Chul Yang, Ilhyeon Song, Jung-Tae Lee, Hwanjo Yu  
ACM SIGIR conference on Research and Development in Information Retrieval (**SIGIR 2018**) (Short Paper)

- [C4] Do “Also-Viewed” Products Help User Rating Prediction?  
**Chanyoung Park**, Donghyun Kim, Jinoh Oh, Hwanjo Yu  
International World-Wide Web Conference (**WWW 2017**)
- [C3] Convolutional Matrix Factorization for Document Context-Aware Recommendation  
Donghyun Kim, **Chanyoung Park**, Jinoh Oh, Hwanjo Yu  
ACM international conference on Recommender System (**RecSys 2016**)
- [C2] TRecSo: Enhancing Top-k Recommendation With Social Information  
**Chanyoung Park**, Donghyun Kim, Jinoh Oh, Hwanjo Yu  
International World-Wide Web Conference (**WWW 2016**) (Poster)
- [C1] Predicting User Purchase in E-commerce by Comprehensive Feature Engineering and Decision Boundary Focused Under-Sampling  
**Chanyoung Park**, Donghyun Kim, Jinoh Oh, Hwanjo Yu  
ACM international conference on Recommender System Challenge (**ACM RecSysChallenge 2015**, 10th place, top 1.1%)

#### JOURNALS

- [J12] Single-cell RNA Sequencing Data Imputation Using Bi-level Feature Propagation  
Junseok Lee\*, Sukwon Yun\*, Yeongmin Kim, Tianlong Chen, Manolis Kellis, **Chanyoung Park**  
**Briefings in Bioinformatics** (2024)
- [J11] Deep Single-cell RNA-seq Data Clustering with Graph Prototypical Contrastive Learning  
Junseok Lee, Sungwon Kim, Dongmin Hyun, Namkyeong Lee, Yejin Kim, **Chanyoung Park**  
**Bioinformatics** (2023)
- [J10] Self-Supervised Graph Representation Learning via Positive Mining  
Namkyeong Lee, Junseok Lee, **Chanyoung Park**  
**Information Sciences** (2022.9)
- [J9] Learning to Utilize Auxiliary Reviews for Recommendation  
Dongmin Hyun, **Chanyoung Park**, Junsu Cho, Hwanjo Yu  
**Information Sciences** (2021.2)
- [J8] Deep Multiplex Graph Infomax: Attentive Multiplex Network Embedding using Global Information  
**Chanyoung Park**, Jiawei Han, Hwanjo Yu  
**Knowledge-Based Systems** (2020.6)
- [J7] Improved prediction of miRNA–disease associations based on matrix completion with network regularization  
Jihwan Ha, Chihyun Park, **Chanyoung Park**, Sanghyun Park  
**Cells** (2020.4) (SCIE)
- [J6] Click-aware Purchase Prediction with Push at the Top  
**Chanyoung Park**, Donghyun Kim, Min-Chul Yang, Jung-Tae Lee, Hwanjo Yu  
**Information Sciences** (2020.6)
- [J5] Inferring miRNA-disease Interactions using Probabilistic Matrix Factorization  
Jihwan Ha, Chihyun Park, **Chanyoung Park**, Sanghyun Park  
**Journal of Biomedical Informatics** (2020.2)
- [J4] An Encoder-Decoder Switch Network for Purchase Prediction  
**Chanyoung Park**, Donghyun Kim, Hwanjo Yu  
**Knowledge-Based Systems** (2019.12)
- [J3] Target-aware Convolutional Neural Network for Target-level Sentiment Analysis  
Dongmin Hyun, **Chanyoung Park**, Min-Chul Yang, Ilhyeon Song, Jung-Tae Lee, Hwanjo Yu  
**Information Sciences** (2019.7)
- [J2] Deep Hybrid Recommender Systems via Exploiting Document Context and Statistics of Items  
Donghyun Kim, **Chanyoung Park**, Jinoh Oh, Hwanjo Yu  
**Information Sciences** (2017.11)
- [J1] Improving top-K recommendation with truster and trustee relationship in user trust network  
**Chanyoung Park**, Donghyun Kim, Jinoh Oh, Hwanjo Yu  
**Information Sciences** (2016.12)

#### WORKSHOPS

- [W8] Subgraph Federated Learning for Local Generalization  
Sungwon Kim, Yoonho Lee, Yunhak Oh, Namkyeong Lee, Sukwon Yun, Junseok Lee, Sein Kim, Carl Yang, **Chanyoung Park**  
**KDD 2024 Workshop on Human-Interpretable AI (Oral) (Best Paper Award)**
- [W7] Interpretable Graph Model with Prototype-Based Graph Information Bottleneck  
Sangwoo Seo, Sungwon Kim, **Chanyoung Park**  
**KDD 2024 Workshop on Human-Interpretable AI (Oral) (Best Paper Award)**
- [W6] Stoichiometry Representation Learning with Polymorphic Crystal Structures  
Namkyeong Lee, Heewoong Noh, Gyoung S. Na, Tianfan Fu, Jimeng Sun, **Chanyoung Park**  
**NeurIPS 2023 Workshop on AI for Scientific Discovery: From Theory to Practice (AI4Science)**
- [W5] Electron-Derived Molecular Representation Learning for Real-World Molecular Physics  
Gyoung S. Na, **Chanyoung Park**  
**NeurIPS 2023 Workshop on AI for Scientific Discovery: From Theory to Practice (AI4Science)**
- [W4] Deep single-cell RNA-seq data clustering with graph prototypical contrastive learning  
Junseok Lee, Sungwon Kim, Dongmin Hyun, Namkyeong Lee, Yejin Kim, **Chanyoung Park**  
**ICML 2023 Workshop on Computational Biology**
- [W3] Denoising single-cell RNA-seq data using Feature Propagation  
Sukwon Yun, Junseok Lee, **Chanyoung Park**  
**ICML 2023 Workshop on Computational Biology (Oral) (Best Paper Award)**
- [W2] Predicting Density of States via Multi-modal Transformer  
Namkyeong Lee, Heewoong Noh, Sungwon Kim, Dongmin Hyun, Gyoung S. Na, **Chanyoung Park**  
**ICLR 2023 Workshop on Machine Learning for Materials (ML4Materials)**
- [W1] Shift-Robust Node Classification via Graph Adversarial Clustering  
Qi Zhu, Chao Zhang, **Chanyoung Park**, Carl Yang, Jiawei Han  
**NeurIPS 2022 GLFrontiers Workshop**

**PATENT**

- [P1] Method for context-aware recommendation by considering contextual information of document and apparatus for the same  
Donghyun Kim, **Chanyoung Park**, Jinoh Oh, Hwanjo Yu  
No. 10-18771610000, issued July 2018.

**TEACHING**

**Instructor**

- IE343: Statistical Machine Learning, KAIST 2021S, 2022S, 2023S, 2024S
- DS535 (KSE801): Recommender System and Machine Learning on Graphs, KAIST 2021F, 2022F, 2023F
- CoE202: Basics of Artificial Intelligence, KAIST 2021F
- DS503: Machine Learning for Data Science (Deep Learning), KAIST 2022S, 2023S, 2024S

**Teaching Assistant**

- CSED352: Data Communications, POSTECH 2014F
- CSED312: Operating System, POSTECH 2016F

**PROFESSIONAL SERVICES**

**AREA CHAIR**

- ACM SIGKDD Conference on Knowledge Discovery and Data Mining (KDD) [2025-present]
- Conference on Neural Information Processing Systems (NeurIPS) [2024-present]
- ICML 2024 AI4Science Workshop [2024-present]
- NeurIPS Workshop (AI for Science: from Theory to Practice) [2023-present]

**PROGRAM COMMITTEE/REVIEWER**

- ACM SIGKDD Conference on Knowledge Discovery and Data Mining (KDD) [2022-present]
- The Web Conference (WWW) [2020-present]
- AAAI Conference on Artificial Intelligence (AAAI), [2021-present]
- Conference on Neural Information Processing Systems (NeurIPS) [2022-present]
- International Conference on Machine Learning (ICML) [2023-present]
- The International Conference on Learning Representations (ICLR), [2022-present]
- ACM International Conference on Research and Development in Information Retrieval (SIGIR) [2023-present]
- ACM International Web Search and Data Mining Conference (WSDM) [2023-present]
- International Joint Conference on Artificial Intelligence (IJCAI) [2023-present]

- ACM International Conference on Information and Knowledge Management (CIKM) [2023-present]
- SIAM International Conference on Data Mining (SDM) [2023-present]
- Learning on Graphs Conference (LoG) [2022-present]
- International ACM SIGIR Conference on Information Retrieval in the Asia Pacific (SIGIR-AP) [2023-present]
- The Web Conference (WWW) Poster Track, 2020
- ACM International Conference on Information and Knowledge Management (CIKM) Short Paper Track, [2020-present]
- IEEE International Conference on Big Data (BigData) [2020-2023]
- ECML-PKDD Research Track [2023-present]
- ECML-PKDD Applied Data Science Track and Demo Track [2020-2021]
- International Conference on Database Systems for Advanced Applications (DASFAA), 2021
- International Conference on Big Data and Smart Computing (BigComp) 2023
- International Conference on Internet and Web Applications and Services (ICIW) [2017-2018]
- Graph Learning @ TheWebConf, 2022
- International Joint Conference on Artificial Intelligence (IJCAI) - Special Track on AI for Good, 2022
- NeurIPS Workshop (New Frontiers of AI for Drug Discovery and Development) [2023-present]

#### **JOURNAL REVIEWS**

- Artificial Intelligence In Medicine, Elsevier
- IEEE Transactions on Image Processing (TIP)
- Briefings in Bioinformatics, Oxford University Press
- ACM Transactions on Knowledge Discovery from Data (TKDD)
- IEEE Transactions on Neural Networks and Learning Systems (TNNLS)
- ACM Transactions on Knowledge and Data Engineering (TKDE)
- ACM Transactions on Information Systems (TOIS)
- ACM Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT)
- ACM Transactions on Intelligent Systems and Technology (TIST)
- Journal of Computational Science, Elsevier
- Physica A: Statistical Mechanics and its Applications, Elsevier
- ISA Transactions, Elsevier
- Journal of King Saud University, Elsevier
- Reliability Engineering & System Safety, Elsevier
- Applied Soft Computing, Elsevier
- Data & Knowledge Engineering, Elsevier
- Pattern Recognition, Elsevier
- Information Sciences, Elsevier
- Knowledge-Based Systems, Elsevier
- Expert Systems with Applications, Elsevier
- ISA Transactions, Elsevier
- Computational and Structural Biotechnology Journal, Elsevier
- Heliyon, Elsevier
- Data Mining and Knowledge Discovery, Springer
- Frontiers of Computer Science, Springer
- Transactions on Asian and Low-Resource Language Information Processing, ACM
- Applied Intelligence (APIN), Springer
- An International Journal on Advances of Computer Science for Geographic Information Systems (GeoInformatica), Springer
- PLOS ONE, Public Library of Science
- IEEE Access
- Concurrency and Computation: Practice and Experience, John Wiley and Sons Ltd
- Applied Computational Intelligence and Soft Computing, Hindawi
- Mathematical Problems in Engineering, Hindawi
- Wireless Communications and Mobile Computing, Hindawi
- Mathematics, MDPI
- Electronics, MDPI
- Applied Sciences, MDPI
- Information, MDPI

- Entropy, MDPI

**EVENT ORGANIZATIONS**

- Proceedings Chair, The ACM International Conference on Information and Knowledge Management (CIKM) [2023]

**JOURNAL EDITORSHIP**

- Frontiers in Artificial Intelligence ([Graph representation learning: Methods and Applications](#))
- Frontiers in Big Data ([Reviews in Big Data Networks: 2022](#))