



GREENSOFT GROUPS

SOFTWARE PROJECT LIST 2024-2025

IEEE TRANSACTIONS ON ARTIFICIAL INTELLIGENCE

GS AI 01	Automatic Plane Pose Estimation for Cardiac Left Ventricle Coverage Estimation via Deep Adversarial Regression Network	Sep-2024
GS AI 02	Cross-Modality Calibration in Multi-Input Network for Axillary Lymph Node Metastasis Evaluation	Sep-2024
GS AI 03	Self-Supervised Forecasting in Electronic Health Records with Attention-Free Models	Aug-2024
GS AI 04	Distilled Gradual Pruning With Pruned Fine-Tuning	Aug-2024
GS AI 05	Defending Against Poisoning Attacks in Federated Learning With Blockchain	July-2024
GS AI 06	Multiclass Counterfactual Explanations Using Support Vector Data Description	Jun-2024
GS AI 07	Rule-Based Out-of-Distribution Detection	Jun-2024
GS AI 08	ASelf-Labeling Method for Adaptive Machine Learning by Interactive Causality	May-2024
GS AI 09	Unsupervised Interpretable Basis Extraction for Concept-Based Visual Explanations	Apr-2024

IEEE TRANSACTIONS ON BIGDATA

GS BD 1	Core Maintenance on Dynamic Graphs: A Distributed Approach Built on H-Index	Sep-2024
GS BD 2	Using App Usage Data From Mobile Devices to Improve Activity-Based Travel Demand Models	Sep-2024
GS BD 3	ALTRUIST: A Python Package to Emulate a Virtual Digital Cohort Study Using Social Media Data	Aug-2024
GS BD 4	Few-Shot Learning With Multi-Granularity Knowledge Fusion and Decision-Making	Aug-2024
GS BD 5	FRC-GIF: Frame Ranking-Based Personalized Artistic Media Generation Method for Resource Constrained Devices	Aug-2024
GS BD 6	Mix2SFL: Two-Way Mixup for Scalable, Accurate, and Communication-Efficient Split Federated Learning	Jun-2024
GS BD 7	Fine-Tuned Personality Federated Learning for Graph Data	Jun-2024

IEEE TRANSACTION ON MACHINE LEARNING

GS ML 01	Towards Privacy-Aware Causal Structure Learning in Federated Setting	Dec-2023
GS ML 02	Event Extraction by Associating Event Types and Argument Roles	Dec-2023
GS ML 03	Adaptive Powerball Stochastic Conjugate Gradient for Large-Scale Learning	Dec-2023
GS ML 04	Seq2CASE: Weakly Supervised Sequence to Commentary Aspect Score Estimation for Recommendation	Dec-2023
GS ML 05	eBoF: Interactive Temporal Correlation Analysis for Ensemble Data Based on Bag-of-Features	Dec-2023
GS ML 06	Ensemble Multi-Quantiles: Adaptively Flexible Distribution Prediction for Uncertainty Quantification	Jun-2023
GS ML 07	GCN-ST-MDIR: Graph Convolutional Network-Based Spatial-Temporal Missing Air Pollution Data Pattern Identification and Recovery	Oct-2023

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GS ML 08	Privacy and Efficiency of Communications in Federated Split Learning	Oct-2023
GS ML 09	Quality Inference in Federated Learning With Secure Aggregation	Oct-2023
GS ML 10	UGCC: Social Media User Geolocation via Cyclic Coupling	Aug-2023
GS ML 11	A Composable Generative Framework Based on Prompt Learning for Various Information Extraction Tasks	Aug-2023
GS ML 12	Towards Enabling Binary Decomposition for Partial Multi-Label Learning	Jun-2023
GS ML 13	TAKDE: Temporal Adaptive Kernel Density Estimator for Real-Time Dynamic Density Estimation	Jun-2023
GS ML 14	EgoCom: A Multi-Person Multi-Modal Egocentric Communications Dataset	Jun-2023
GS ML 15	Scalable Distributed Data Anonymization for Large Datasets	Jun-2023

IEEE TRANSACTION ON DEEP LEARNING

GS DL 01	Model-Agnostic Method: Exposing Deepfake Using Pixel-Wise Spatial and Temporal Fingerprints	Dec-2023
GS DL 02	Multi-Discriminator Active Adversarial Network for Multi-Center Brain Disease Diagnosis	Dec-2023
GS DL 03	Few-Shot Learning Network for Out-of-Distribution Image Classification	Dec-2023
GS DL 04	Ultralight-Weight Three-Prior Convolutional Neural Network for Single Image Super Resolution	Dec-2023
GS DL 05	Bi-LSTM Sequence Modeling for On-The-Fly Fine-Grained Sketch-Based Image Retrieval	Oct-2023
GS DL 06	Robust Low Transformed Multi-Rank Tensor Completion With Deep Prior Regularization for Multi-Dimensional Image Recovery	Oct-2023
GS DL 07	Adaptive Multidimensional Dual Attentive DCNN for Detecting Cardiac Morbidities Using Fused ECG-PPG Signals	Oct-2023
GS DL 08	Cross-Task Feedback Fusion GAN for Joint MR-CT Synthesis and Segmentation of Target and Organs-at-Risk	Oct-2023
GS DL 09	Feature-Aligned Stacked Autoencoder: A Novel Semisupervised Deep Learning Model for Pattern Classification of Industrial Faults	Aug-2023
GS DL 10	Fault Detection and Diagnosis Using Statistic Feature and Improved Broad Learning for Traction Systems in High-Speed Train	Aug-2023
GS DL 11	Deep Incremental Hashing for Semantic Image Retrieval With Concept Drift	Aug-2023
GS DL 12	Dual Uncertainty-Guided Mixing Consistency for Semi-Supervised 3D Medical Image Segmentation	Aug-2023
GS DL 13	Mining Hierarchical Information of CNNs for Scene Classification of VHR Remote Sensing Images	Apr-2023
GS DL 14	Landmark-Aware and Part-Based Ensemble Transfer Learning Network for Static Facial Expression Recognition from Images	Apr-2023
GS DL 15	Detection of Cardiovascular Diseases in ECG Images Using Machine Learning and Deep Learning Methods	Apr-2023

IEEE TRANSACTION ON CLOUD COMPUTING

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GS CC 01	Multi-Dimensional Flat Indexing for Encrypted Data	Sep-2024
GS CC 02	A Cloud-Edge Collaboration Framework for Generating Process Digital Twin	Jun-2024
GS CC 03	Generic Construction: Cryptographic Reverse Firewalls for Public Key Encryption With Keyword Search in Cloud Storage	Jun-2024
GS CC 04	Game-Based Low Complexity and Near Optimal Task Offloading for Mobile Blockchain Systems	Jun-2024
GS CC 05	Dynamic Task Offloading in Edge Computing Based on Dependency-Aware Reinforcement Learning	Jun-2024
GS CC 06	Space-Hard Obfuscation Against Shared Cache Attacks and its Application in Securing ECDSA for Cloud-Based Blockchains	Jun-2024
GS CC 07	Multi-Objective Cloud Task Scheduling Optimization Based on Evolutionary Multi-Factor Algorithm	Jun-2024
GS CC 08	Achieving Privacy-Preserving Online Multi-Layer Perceptron Model in Smart Grid	Jun-2024
GS CC 09	Comments on “Privacy Aware Data Deduplication for Side Channel in Cloud Storage”	Jun-2024
GS CC 10	Integrated Computation Offloading, UAV Trajectory Control, Edge-Cloud and Radio Resource Allocation in SAGIN	Mar-2024
GS CC 11	Efficient Approximation Algorithms for Scheduling Coflows With Total Weighted Completion Time in Identical Parallel Networks	Sep-2023
GS CC 12	Alleviating Congestion via Switch Design for Fair Buffer Allocation in Datacenters	Sep-2023
GS CC 13	Integrating Bayesian Optimization and Machine Learning for the Optimal Configuration of Cloud Systems	Sep-2023
GS CC 14	Edge-Cloud Collaborative UAV Object Detection: Edge-Embedded Lightweight Algorithm Design and Task Offloading Using Fuzzy Neural Network	Sep-2023
GS CC 15		Sep-2023
GS CC 16		Sep-2023
GS CC 17		Sep-2023
GS CC 18		Sep-2023
GS CC 19		Aug-2023
GS CC 20		Aug-2023
GS CC 21		Aug-2023
GS CC 22		Aug-2023
GS CC 23		Aug-2023
GS CC 24		Aug-2023
GS CC 25		Aug-2023
GS CC 26		Jun-2023
GS CC 27		Jun-2023
GS CC 28		Jun-2023
GS CC 29		Jun-2023
GS CC 30		Jun-2023
GS CC 31		Jun-2023

IEEE TRANSACTION ON DEPENDABLE AND SECURE COMPUTING

GS NS 01	On the Security of Verifiable and Oblivious Secure Aggregation for Privacy-	Oct-2024
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	Preserving Federated Learning	
GS NS 02	TAPFed: Threshold Secure Aggregation for Privacy-Preserving Federated Learning	Oct-2024
GS NS 03	LESSON: Multi-Label Adversarial False Data Injection Attack for Deep Learning Locational Detection	Oct-2024
GS NS 04	Efficient FHE-Based Privacy-Enhanced Neural Network for Trustworthy AI-as-a-Service	Oct-2024
GS NS 05	GraphCH: A Deep Framework for Assessing Cyber-Human Aspects in Insider Threat Detection	Oct-2024
GS NS 06	Privacy-Preserving Anomaly Detection of Encrypted Smart Contract for Blockchain-Based Data Trading	Oct-2024
GS NS 07	Poison-Tolerant Collaborative Filtering Against Poisoning Attacks on Recommender Systems	Oct-2024
GS NS 08	Diff-ID: An Explainable Identity Difference Quantification Framework for Deep Fake Detection	Oct-2024
GS NS 09	A Novel Authentication Protocol for 5G g Node Bs in Service Migration Scenarios of MEC	Aug-2024
GS NS 10	A Systematic Methodology to Compute the Quantum Vulnerability Factors for Quantum Circuits	Aug-2024
GS NS 11	An Automated Multi-Layered Methodology to Assist the Secure and Risk-Aware Design of Multi-Factor Authentication Protocols	Aug-2024
GS NS 12	FortisEDoS: A Deep Transfer Learning-Empowered Economical Denial of Sustainability Detection Framework for Cloud-Native Network Slicing	Aug-2024
GS NS 13	SLA-Driven Trust and Reputation Management Framework for 5G Distributed Service Marketplaces	Aug-2024
GS NS 14	On the Privacy of Multi-Versioned Approximate Membership Check Filters	Aug-2024
GS NS 15	Privacy Prober: Assessment and Detection of Soft-Biometric Privacy-Enhancing Techniques	Aug-2024
GS NS 16	Protecting Privacy in Knowledge Graphs With Personalized Anonymization	Aug-2024
GS NS 17	Robust Hashing With Local Tangent Space Alignment for Image Copy Detection	Aug-2024
GS NS 18	Trusted Operations of a Military Ground Robot in the Face of Man-in-the-Middle Cyberattacks Using Deep Learning Convolutional Neural Networks: Real-Time Experimental Outcomes	Aug-2024
GS NS 19	Detection Strategies for Microservice Security Tactics	July-2024
GS NS 20	Mix&Slice for Efficient Access Revocation on Outsourced Data	July-2024
GS NS 21	Scalable and Popularity-Based Secure Deduplication Schemes With Fully Random Tags	July-2024

IEEE TRANSACTIONS ON NETWORKS

GS N 01	DIPER: Detection and Identification of Pathogens Using Edit Distance-Tolerant Resistive CAM	Oct-2024
GS N 02	On the Security of Quotient Filters: Attacks and Potential Countermeasures	Sep-2024
GS N 03	CBANA: A Lightweight, Efficient, and Flexible Cache Behavior Analysis Framework	Sep-2024
GS N 04	Ada-WL: An Adaptive Wear-Leveling Aware Data Migration Approach for Flexible SSD Array Scaling in Clusters	Aug-2024
GS N 05	Multi-Grained Trace Collection, Analysis, and Management of Diverse Container Images	July-2024

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IEEE TRANSACTIONS ON SUSTAINABLE COMPUTING

GS SE 01	A Socially-Aware Dependent Tasks Offloading Strategy in Mobile Edge Computing	Sep-2023
GS SE 02	Container Session Level Traffic Prediction From Network Interface Usage	Sep-2023
GS SE 03	EAQ: Enabling Authenticated Complex Query Services in Sustainable-Storage Blockchain	Sep-2023
GS SE 04	Elastic Power Utilization in Sustainable Micro Cloud Data Centers	Sep-2023
GS SE 04	EPPFM: Efficient and Privacy-Preserving Querying of Electronic Medical Records With Forward Privacy in Multiuser Settingpp.	Sep-2023

IEEE TRANSACTIONS ON SERVICE COMPUTING (WEB SERVICES)

GS SC 01	A Cloud Broker for Executing Deadline-Constrained Periodic Scientific Workflows	Oct-2023
GS SC 02	A Hybrid Many-Objective Optimization Algorithm for Task Offloading and Resource Allocation in Multi-Server Mobile Edge Computing Networks	Oct-2023
GS SC 03	A Load Balancing Algorithm for Equalising Latency Across Fog or Edge Computing Nodes	Oct-2023
GS SC 04	ABCrowdMed: A Fine-Grained Worker Selection Scheme for Crowdsourcing Healthcare With Privacy-Preserving	Oct-2023
GS SC 05	Blockchain-Backed Searchable Proxy Signcryption for Cloud Personal Health Records	Oct-2023
GS SC 06	Efficient Blockchain-Based Electronic Medical Record Sharing With Anti-Malicious Propagation	Sep-2023
GS SC 08	Fast and Privacy-Preserving Attribute-Based Keyword Search in Cloud Document Services	Sep-2023
GS SC 09	Optimal Trading Mechanism Based on Differential Privacy Protection and Stackelberg Game in Big Data Market	Sep-2023
GS SC 10	SaaS: Toward Pay-as-You-Go Mode for Software Service Transactions Based on Blockchain's Smart Legal Contracts	Sep-2023
GS SC 11	Securing Deep Learning as a Service Against Adaptive High Frequency Attacks With MMCAT	Sep-2023

IEEE TRANSACTION ON EMERGING TOPIC IN COMPUTING

GS ET 01	Predicting Aging-Related Bugs Using Network Analysis on Aging-Related Dependency Networks	Sep-2023
GS ET 02	Revealing an Inherently Limiting Factor in Human Mobility Prediction	Sep-2023
GS ET 03	BIC Codes: Bit Insertion-Based Constrained Codes With Error Correction for DNA Storage	Sep-2023

IEEE TRANSACTIONS ON KNOWLEDGE AND DATA ENGINEERING

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GS DE 01	A Crowd-Enabled Approach for Privacy-Enhanced and Personalized Safe Route Planning for Fixed or Flexible Destinationspp	Nov-2023
GS DE 02	A Multi-Type Transferable Method for Missing Link Prediction in Heterogeneous Social Networks	Nov-2023
GS DE 03	A Unified Framework for Adversarial Attacks on Multi-Source Domain Adaptation	Nov-2023
GS DE 04	Causal Inference for Leveraging Image-Text Matching Bias in Multi-Modal Fake News Detection	Nov-2023
GS DE 05	Cross-City Multi-Granular Adaptive Transfer Learning for Traffic Flow Prediction	Nov-2023
GS DE 06	Dual Structural Consistency Preserving Community Detection on Social Networks	Nov-2023
GS DE 07	Fast Multi-View Clustering Via Ensembles: Towards Scalability, Superiority, and Simplicity	Nov-2023
GS DE 08	Global Combination and Clustering Based Differential Privacy Mixed Data Publishing	Nov-2023
GS DE 09	Heterogeneous Graph Neural Network With Multi-View Representation Learning	Nov-2023
GS DE 10	Kill Two Birds With One Stone: A Multi-View Multi-Adversarial Learning Approach for Joint Air Quality and Weather Predictionpp. 11515-	Nov-2023
GS DE 11	Leveraging Long Short-Term User Preference in Conversational Recommendation via Multi-agent Reinforcement Learningpp.	Nov-2023
GS DE 12	Patient Health Representation Learning via Correlational Sparse Prior of Medical Features	Oct-2023
GS DE 13	Self-Supervised Hypergraph Representation Learning for Sociological Analysis	Oct-2023
GS DE 14	Value-Wise ConvNet for Transformer Models: An Infinite Time-Aware Recommender System	Oct-2023
GS DE 15	LiteWSEC: A Lightweight Framework for Web-Scale Spectral Ensemble Clustering	Oct-2023
GS DE 16	Hiding From Centrality Measures: A Stackelberg Game Perspective	Oct-2023
GS DE 17	An Optimal Algorithm for Finding Champions in Tournament Graphs	Oct-2023
GS DE 18	A VAE-Based User Preference Learning and Transfer Framework for Cross-Domain Recommendation	Oct-2023
GS DE 19	DP2-Pub: Differentially Private High-Dimensional Data Publication With Invariant Post Randomization	Oct-2023
GS DE 20	SecSkyline: Fast Privacy-Preserving Skyline Queries Over Encrypted Cloud Databases	Sep-2023
GS DE 21	Data Augmented Sequential Recommendation Based on Counterfactual Thinking	Sep-2023
GS DE 22	In Pursuit of Beauty: Aesthetic-Aware and Context-Adaptive Photo Selection in Crowdsensing	Sep-2023
GS DE 23	Ultra Data-Oriented Parallel Fractional Hot-Deck Imputation With Efficient Linearized Variance Estimation	Sep-2023

IEEE TRANSACTIONS ON MOBILE COMPUTING

GS MC 01	DPS: Dynamic Pricing and Scheduling for Distributed Machine Learning Jobs in Edge-Cloud Networks	Nov-2023
GS MC 02	CrowdManager: An Ontology-Based Interaction and Management Middleware for Heterogeneous Mobile Crowd Sensingp	Nov-2023
GS MC 03	Federated Multi-Discriminator BiWGAN-GP based Collaborative Anomaly Detection for Virtualized Network Slicing	Nov-2023
GS MC 04	HealthFort: A Cloud-Based eHealth System With Conditional Forward Transparency and Secure Provenance via Blockchainpp. 65	Nov-2023
GS MC 05	Vehicloak: A Blockchain-Enabled Privacy-Preserving Payment Scheme for	Nov-2023

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	Location-Based Vehicular Services	
GS MC 06	A Unified Framework for Joint Sensing and Communication in Resource Constrained Mobile Edge Networks	Oct-2023
GS MC 07	Cost-Effective Scheduling for Dependent Tasks With Tight Deadline Constraints in Mobile Edge Computing	Oct-2023
GS MC 08	LEAF + AIO: Edge-Assisted Energy-Aware Object Detection for Mobile Augmented Reality	Oct-2023
GS MC 09	Modeling and Characterization of the Detection and Suppression of Bogus Messages in Vehicular Ad Hoc Networkspp.	Oct-2023
GS MC 10	ELITE: An Intelligent Digital Twin-Based Hierarchical Routing Scheme for Softwarized Vehicular Networks	Sep-2023
GS MC 11	Task Scheduling in Three-Dimensional Spatial Crowdsourcing: A Social Welfare Perspective	Sep-2023

IEEE TRANSACTIONS ON PARALLEL AND DISTRIBUTED COMPUTING

GS PDC 01	FCDedup: A Two-Level Deduplication System for Encrypted Data in Fog Computing	Oct-2023
GS PDC 02	When Deduplication Meets Migration: An Efficient and Adaptive Strategy in Distributed Storage Systems	Oct-2023
GS PDC 03	Joint Model Pruning and Topology Construction for Accelerating Decentralized Machine Learning	Oct-2023
GS PDC 04	DeepBoot: Dynamic Scheduling System for Training and Inference Deep Learning Tasks in GPU Cluster	Oct-2023
GS PDC 05	eHotSnap: An Efficient and Hot Distributed Snapshots System for Virtual Machine Cluster	Oct-2023

IEEE TRANSACTIONS ON INFORMATION FORENSICS AND SECURITY

GS IFS 01	Efficient and Provably Secure Data Selective Sharing and Acquisition in Cloud-Based Systems	Oct-2023
GS IFS 02	Divergence-Driven Consistency Training for Semi-Supervised Facial Age Estimation	Oct-2023
GS IFS 03	Efficient Anonymous Authentication Based on Physically Unclonable Function in Industrial Internet of Things	Oct-2023
GS IFS 04	AADEC: Anonymous and Auditable Distributed Access Control for Edge Computing Services	Oct-2023
GS IFS 05	AISCM-FH: AI-Enabled Secure Communication Mechanism in Fog Computing-Based Healthcare	Oct-2023
GS IFS 06	Public-Key Authenticated Encryption With Keyword Search Supporting Constant Trapdoor Generation and Fast Search	Sep-2023
GS IFS 07	Privacy-Preserving and Verifiable Federated Learning Framework for Edge Computing	Sep-2023
GS IFS 08	Using Highly Compressed Gradients in Federated Learning for Data Reconstruction Attacks	Sep-2023
GS IFS 09	Power Allocation for Cooperative Jamming Against a Strategic Eavesdropper Over Parallel Channels	Sep-2023

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IEEE TRANSACTION ON IOT

GS IOT 01	Computation Offloading Method Using Stochastic Games for Software-Defined-Network-Based Multiagent Mobile Edge Computing	Oct-23
GS IOT 02	A Policy-Hiding Attribute-Based Access Control Scheme in Decentralized Trust Management	Oct-23
GS IOT 03	Left Ventricle Contouring in Cardiac Images in the Internet of Medical Things via Deep Reinforcement Learning	Oct-23
GS IOT 04	Improved Multiresolution Neural Network for Mobility-Aware Security and Content Caching for Internet of Vehicles	Oct-23
GS IOT 05	Incentive-Based Federated Learning for Digital-Twin-Driven Industrial Mobile Crowdsensing	Oct-23

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