

Special Issue

Federated and Transfer Learning Applications

Message from the Guest Editors

In this Special Issue, we seek research and case studies that demonstrate the application of federated and transfer learning approaches to support applied scientific research, in any area of science and technology. Example topics include (but are not limited to) the following:

- Federated Learning (FL) Applications.
- Distributed Learning Approaches.
- Privacy-Preserving Techniques in FL.
- Homomorphic Encryption Approaches in FL.
- Differential Privacy Approaches in FL.
- Incentive Mechanisms in FL.
- Interpretability in FL.
- FL with Unbalanced Data.
- Selection of Appropriate FL Aggregation Function per Application.
- Transfer Learning (TL) Applications.
- Pre-Trained Models.
- BERT-Like Models.
- Federated Transfer Learning Approaches.
- Applications of FL and TL in Biomedical Domain.
- Applications of FL and TL in Cybersecurity.
- Applications of FL and TL in Natural Language Processing.
- Applications of FL and TL in Social Network Analysis.
- Graph-based FL and TL.

Guest Editors

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Deadline for manuscript submissions

closed (20 March 2023)



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About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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