CALL FOR PAPERS

The First Workshop on Graph Learning

April 25, 2022, Online
http://www.graphlearning.net/

Graph Learning

A workshop of The ACM Web Conference 2022

Graphs (also known as networks) are a popular and widely-used representation of various complex data, such as World Wide Web, knowledge graphs, social networks, biological networks, traffic networks, citation networks, and communication networks. Graph data are now ubiquitous. Recent years have witnessed a surge of research and development in machine learning with/on graphs thanks to the revival of AI. This is leading to the rapid emergence of the field of graph learning.

This workshop aims to bring together researchers and practitioners from academia and industry to discuss recent advances and core challenges of graph learning. This workshop will be established as a platform for multiple disciplines such as computer science, applied mathematics, physics, social sciences, data science, complex networks, and systems engineering. Core challenges in regard to theory, methodology, and applications of graph learning will be the main center of discussions at the workshop.

The workshop will be a **full day** workshop. Besides research paper presentations, the workshop will feature Keynote Talks and a Panel Discussion session (subject to time availability). The workshop will be held on April 25, 2022, *virtually*, as part of **The ACM Web Conference 2022**.

Topics of interest include, but are not limited to:
- Foundations and understanding of graph learning
- Novel models and algorithms for graph learning
- Trustworthy graph learning
- Fairness, transparency, explainability, and robustness
- Graph learning on/for the Web
- Graph learning for complex systems and big networks
- Graph learning for social good
- Representation learning
- AI in knowledge graphs
- Lifelong graph learning systems
- Graph learning in various domains
- Graph learning applications, services, platforms, and education

Important Dates

Paper submissions due:
February 15, 2022
Notification of acceptance:
March 3, 2022
Camera ready version due:
March 10, 2022
Workshop date:
April 25, 2022

Organizers

Chairs
Feng Xia, Federation University Australia
Renaud Lambiotte, University of Oxford
Charu Aggarwal, IBM

Program Committee
See the workshop website.

Publication & Submission

Authors are invited to submit *original* papers that must not have been submitted to or published in any other workshop, conference, or journal. The workshop will accept **full papers** describing completed work, **work-in-progress papers** with preliminary results, as well as **position papers** reporting inspiring and intriguing new ideas.

All submissions will be peer-reviewed by members of the Program Committee and be evaluated for originality, quality and appropriateness to the workshop. At least one author of each accepted papers must present their work at the workshop. All accepted and presented papers will be published in **The ACM Web Conference 2022 proceedings (companion volume)**, through the **ACM Digital Library**.

For detailed submission instructions, please visit the workshop website (scan the QR code).

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