Big Graph Mining (BGM) Chairs' Welcome

Graphs are everywhere: the World Wide Web, social networks, computer networks, mobile call networks, protein interaction networks, and many more. The lower cost of disk storage, the success of social networking websites and Web 2.0 applications, and the high availability of data sources lead to graphs being generated at unprecedented size. They are now measured in terabytes or even petabytes, with millions and billions of nodes and edges. Finding patterns on these big graphs have a lot of applications including cyber security, social network analysis (Facebook, Twitter), and fraud detection, among others. Researches on graphs are attracting more and more interests, ranging from graph mining platform and theory to algorithm and application. Our goal is to discuss recent developments on graph mining, so that we better understand and improve the current status of art in big graph mining.

Given this goal, our workshop's relevance to the WWW community is significant and timely, as 1) finding important patterns from graphs (e.g., the Web, social networks, etc.) help people extract useful insights and knowledge, and 2) the WWW community is very much interested in scalable methods to mine very large graphs. We believe that a WWW workshop on this topic is needed, because big graph mining has large potential with various applications. With this workshop we want to spark attention for the topic.

Our program includes an opening keynote talk "From Graphs to Tables The Design of Scalable Systems for Graph Analytics" by Dr. Joseph (Joey) Gonzales, founder of GraphLab and postdoctoral fellow at UC Berkeley. Joey graduated from Carnegie Mellon University, with a PhD in Machine Learning. Submissions to our workshop came from Asia, Europe and the United States. We accepted four full papers for presentation. They cover topics from active learning in graphs, graph sampling, graph database queries, to scalable graph algorithms.

We wish to thank the program committee for their excellent and professional input, making our work as workshop co-chairs relatively easy. We also wish to thank the keynote speaker Joey Gonzales for his engaging and thought-provoking talks. A special thanks goes to the authors of all submitted papers, as their excellent contributions allowed us to set up an engaging workshop program. Last, but not least, we thank all attendees for making this a great workshop.

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