

SIMPLEX 2014 Chairs' Welcome

The complex networks science has recently attracted much attention from the scientific community, mainly due to the pervasive presence of complex phenomena in real-world systems such as peer-to-peer systems, social networks, and communication networks. Understanding complex networks and simplifying complex phenomena in them for practitioners is a very challenging task, where many well-established disciplines, like machine learning, data mining, and graph theory, have found great applications in the recent years to give insights into such complex networks. Building on the success in the past five years, the Sixth Annual Workshop on Simplifying Complex Networks for Practitioners – SIMPLEX 2014 continues to serve as a forum for researchers as well as practitioners to disseminate and discuss recent advances and emerging issues in understanding and simplifying complex networks.

In response to our initial call for paper of SIMPLEX 2014, we received 12 submissions. All submissions were given careful considerations, and were reviewed by at least 5 reviewers from the program committee, based on their originality, significance, technical soundness, and clarity of expression. Based on the program committee's recommendations, we finally decided to accept five regular and four short papers to be presented in the workshop. The final program consisted of high quality works spanning a wide range of topics, including graph measurements and generation, graph dynamics, information diffusion, networks modeling, and applications of machine learning to network data (malware detection and classification). Along with those papers, we were also honored to have Dr. Meeyoung Cha as the keynote speaker for this year's event with a keynote lecture titled "Propagation Phenomena in Large Social Networks". Dr. Cha is an Associate Professor in the Graduate School of Culture Technology at Korea Advanced Institute of Science and Technology, in South Korea, and is a well-known researcher in the field of complex networking systems, with many outstanding contributions to the area of analysis of social networks.

Putting together SIMPLEX 2014 is a team effort that would have never been possible without the help of many individuals to whom we would like to extend our sincere gratitude. We thank the authors for providing the contents of the program, the technical program committee for reviewing the submissions and providing feedback to the authors, Dr. Cha for serving as a keynote speaker, and Lisa M. Tolles from Sheridan Communications for coordinating the publication of the proceedings. We hope that the proceedings will be a valuable reference to researchers as well as practitioners.



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