

Report on WAW 2012, Dalhousie University Drs. Anthony Bonato and Jeannette Janssen, co-Chairs of WAW 2012

The *9th Workshop on Algorithms and Models for the Web Graph (WAW 2012)* was held at Dalhousie University, June 22 and 23, immediately following the SIAM Discrete Mathematics conference. The goal of the conference was to bring together researchers working on various aspects of real-world, complex networks. Complex networks are all around us, from social networks such as Facebook and Twitter, to the vast network of web pages and their links. WAW is a unique conference focusing on this important topic, and is truly interdisciplinary with participants working in disciplines such as Mathematics, Statistics, Computer Science, Sociology, and Engineering.

With over 40 attendees, of which 12 from the Atlantic region, 4 from the rest of Canada, 13 from the US, and 13 from Europe, Australia, and Asia, the conference possessed a truly international character. The conference was held at a variety of venues over the years ranging from Vancouver, Rome, BIRS, Barcelona, San Diego, and Stanford University. Many attendees had never visited the Atlantic provinces before, and remarked positively on the beautiful Dalhousie campus and positive local atmosphere of Halifax.

There were two luminary plenary speakers: Jennifer Chayes (Microsoft Research, New England) and Nelly Litvak (University of Twente, the Netherlands). Chayes spoke on stunning new work on the application of algorithmic game theory to complex network modelling, and Litvak spoke on the pitfalls of degree correlations in both theory and practice. Both of their talks were highly attended and met with an enthusiastic response from the audience. The 13 regular talks ranged from new research on PageRank, on-line social networks, algorithmic game theory, and random graph theory, and sparked much discussion during the coffee and lunch breaks. Five posters were also presented, which gave a great opportunity for graduate students and post-doctoral fellows to showcase their work.

We gratefully acknowledge AARMS for its support of this workshop. This support was used to give travel support to nine graduate students and post-doctoral fellows. Specifically, two were from Canada (outside Atlantic Canada), six from the US, and one from the UK. All supported participants were speakers or poster presenters. We would like to thank also our other sponsors, namely the Faculties of Science and Computer Science of Dalhousie University, the department of Mathematics of Ryerson University, and our corporate sponsor Microsoft.

The conference proceedings, which were available to participants as part of their welcome package, were published in the prestigious Springer *Lecture Notes in Computer Science series*. Full papers of selected proceedings papers will be published in the journal *Internet Mathematics*.

Based on the great quality of the talks and scientific program, coupled with excellent organization by local organizer Jeannette Janssen and a host of graduate student volunteers, WAW 2012 was a resounding success. With the great response from the 2012 conference, next year's WAW (to be held in Boston in December 2013) is assured continued success.

WAW-2012

June 22-23,

Budget

Revenue

AARMS	2,000.00
Microsoft (sponsor)	2,500.00
Faculty of Science	1,500.00
Faculty of Computer Science	1,000.00
Ryerson University	<u>2,500.00</u>
Total Revenue	<u><u>9,500.00</u></u>

Expenses

Lecture room	2 days	0.00
Catering		813.62
Reception		284.30
Guest speakers		2,906.00
Student travel support		4,800.00
Administrative expenses		150.00
Proceedings		156.73
Registration package		389.35
Tech support		175.00
Total Expenses		<u><u>9,500.00</u></u>

Balance 0.00

2012

Notes

Computer science building – free

Breaks: 2 on Friday, 1 on Saturday & Lunch on Friday

Hors d'oeuvres and bar service

2x travel expenses + dinner with invited speakers and other guests

Support 8 students/PDFs

Trucking, admin support, stationary, security

Shipping cost 156.73+ Customs

Name tags, give-aways, printing

Web page maintenance, tech support