

Report on the AARMS Workshop on Mathematical Biology

Memorial University of Newfoundland, St. John's, 13-14 August, 2011

Event Description:

The third annual AARMS Workshop on Mathematical Biology was held at Memorial University in St. John's Newfoundland, 13-14 August 2011. There were 21 participants, with 17 from the Atlantic region, 3 from the rest of Canada and 1 from China.

List of participants:

Mohammadkheer Al-Jararha (Memorial University of Newfoundland, mmaj84@mun.ca)

Pius Ariho (University of New Brunswick, pius.ariho@unb.ca)

Matt Calder (University of Western Ontario, mcalder9@uwo.ca)

Andy Foster (Memorial University of Newfoundland, afoster@mun.ca)

Xi Hu (University of New Brunswick, p17p3@unb.ca)

David Iron (Dalhousie University, iron@mathstat.dal.ca)

Chris Levy (Dalhousie University, christopherdavidlevy@gmail.com)

Xin Li (University of Western Ontario, lixin_box@163.com)

Mark Pavlovski (Dalhousie University, mark.pavlovski@gmail.com)

Rui Peng (Memorial University of Newfoundland, rpeng@mun.ca)

Hongying Shu (University of New Brunswick, shuhongying08@gmail.com)

Lin Wang (University of New Brunswick, lwang2@unb.ca)

Wendi Wang (Southwest University, China, wendi@swu.edu.cn))

Xiang-Sheng Wang (York University, xswang4@mail.ustc.edu.cn)

Zhen Wang (Memorial University of Newfoundland, zhenw@mun.ca)

James Watmough (University of New Brunswick, watmough@unb.ca)

Jinyong Ying (Memorial University of Newfoundland, jy6814@mun.ca)

Yuan Yuan (Memorial University of Newfoundland, yyuan@mun.ca)

Yi Zhang (Memorial University of Newfoundland, yz5031@mun.ca)

Yuxiang Zhang (Memorial University of Newfoundland, yz5818@mun.ca)

Xiaoqiang Zhao (Memorial University of Newfoundland, zhao@mun.ca)

Scientific Highlights:

The workshop consisted of 16 40-minute talks covering a wide range of topics in mathematical biology. Abstracts for the talks can be found on the workshop website

(<http://www.math.mun.ca/~yyuan/workshop.html>). Topics covered scales from small (intracellular signaling) to large (global bird migration and H5N1) with applications in ecology, physiology, cell biology and epidemiology. There were extensive discussions on potential research projects during the period of the workshop.

At the end of the workshop, we decided to have the 4th Atlantic Workshop on Math Biology held in Dalhousie University in the summer of 2012.

Income and expenditure account:

The budget for the meeting was kept small. The meeting room was provided by Memorial University. Support from AARMS was used to cover travel and accommodation for 8 students. The detailed expenses for students include:

To cover Accommodation and two day's Meals for 3 students from outside Atlantic region:

Xiangsheng Wang (York): \$225

Matt Calder (Western): \$141.75

Xin Li (Western): \$205

To cover Air Fare, Taxi, Accommodation and two day's Meals for 5 regional students:

Chris Levy (Dalhousie): \$547.3

Xi Hu (New Brunswick): \$1059.2

Hongying Shu (New Brunswick): \$1217.01

Pirus (New Brunswick): \$747.59

Mark Pavlovski (Dalhousie) : \$679.39

Total expenses: \$4898.49 (AARMS budget: \$4990)

We did not ask the participants to pay the registration fee, instead, we applied for financial support from Dean of Science and Department of Mathematics and Statistics in Memorial University. Dean of Science promised to provide \$500 for the coffee break expenses, while Math Department promised to support \$1000 for the reception. Actually we did spend \$450 for coffee and refreshment and \$560 for reception.