

# Report on the *Atlantic General Relativity Meeting 2014* for AARMS

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The *Atlantic General Relativity Meeting 2014* (AGR14) was held from May 6–7 at the University of New Brunswick’s Fredericton campus. It was the latest in an annual series of meetings covering all aspects of classical and quantum gravity. This year, the meeting was held in conjunction with the *International Shape Dynamics Workshop* from May 8–9, which was organized by Tim Koslowski (New Brunswick). The shape dynamics workshop attracted a large international contingent, which helped to make the 2014 incarnation of *Atlantic General Relativity* the largest one in the series to date. There were 41 participants in AGR14 and 19 talks. 27 participants were from the Atlantic region (i.e., from UNB, Dalhousie or Memorial), 6 from elsewhere in Canada, and 8 from outside Canada. The invited speaker for the conference was Bianca Dittrich (Perimeter), who gave two talks. Topics covered included recent advances in loop quantum gravity, shape dynamics (a new theory of gravity), classification of spacetimes, mathematical relativity, and the effects of novel quantum theories on cosmology. There were no conference proceedings.

We decided to cover UNB residence accommodation for all students and postdocs attending the conference. We also provided four coffee breaks and two lunches to conference participants. The lunches were funded by the Foundations Questions Institute (FQXi), which was also the main funding source for the *International Shape Dynamics Workshop*. There was no registration fee for the meeting. The following table summarizes our income and expenses:

<b>Income</b>	
AARMS (pending approval)	\$2,500
Dept Math Stats (UNBF)	\$300
FQXi	\$1,062
NSERC Discovery Grants	\$675
<b>Expenses</b>	
Residence accommodation	(\$2023)
Coffee breaks	(\$482)
Lunches	(\$1,062)
B Dittrich flights	(\$311)
B Dittrich taxis	(\$32)
B Dittrich hotel	(\$492)
B Dittrich per diem	(\$135)
<b>Total</b>	<b>\$0</b>

Further information about the meeting can be found at [www.math.unb.ca/~gravity/agr14](http://www.math.unb.ca/~gravity/agr14).