

# Report on the *Atlantic General Relativity Meeting 2016* for AARMS

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## Summary

The *Atlantic General Relativity Conference 2016* (AGR16 conference) was held from June 23-24 at Dalhousie University. It was the latest in an annual series of meetings covering all aspects of classical and quantum gravity. Proceeding the formal AGR15 conference was the *Atlantic General Relativity 2016 Workshop* (AGR16 workshop) consisting of a series of introductory and advanced lectures organized by the AARMS Collaborative Research Group (CRC) *Mathematical and physical aspects of black holes*.

For the AGR16 conference, there were 36 participants and 19 talks. Twenty-five participants were from the Atlantic region, two from elsewhere in Canada, and nine from outside Canada. The number of students and postdocs were 17 and 3, respectively.

The principal invited speaker for the conference was Cliff Burgess (McMaster University), who spoke about infrared divergences in cosmological inflation. In addition, three invited lecturers from the AGR16 workshop stayed on to give presentations in the conference: Jorge Zanelli (Universidad de Chile), James Lucietti (University of Edinburgh) and Jose Pereira (Universidade Estadual Paulista, Brazil). Topics covered by these speakers and by the other contributed talks included quantum fields in curved space, quantum gravity, exotic classical solutions of the Einstein equation, and alternative gravity models.

Further information about the meeting can be found at [www.math.unb.ca/~gravity/agr16](http://www.math.unb.ca/~gravity/agr16).

## Budget

We considered several expenses as shared between AGR16 conference and workshop, and split them accordingly. For example, 20% of the costs associated with the invited workshop speakers (who all stayed for the conference) were assigned to the conference budget, while 80% were charged to the workshop budget. Travel expenses for all participants from Atlantic Canada were subsidized from the workshop budget, including full travel costs for students and postdocs. Costs for residence accommodation for students and postdocs were shared between the conference and workshop budgets. The attached spreadsheet shows all expenses for the AGR conference and workshop and how they were divvied up.

The only source of revenue for the meeting was workshop funding from AARMS in the amount of \$4,940 and contributions from the CRG budget. In turn, the only source of funding for the CRG was also AARMS in the amount of \$19,920.

# Detailed Budget 2015-2016

Expenses	Amount	AGR conference share	CRG/AGR workshop share	Charge to AGR conference	Charge to CRG	Notes
Hari Kunduri flight	\$297.97	0%	100%	\$0.00	\$297.97	CRG local faculty expenses for Atlantic GR
Ivan Booth flight	\$286.67	0%	100%	\$0.00	\$286.67	CRG local faculty expenses for Atlantic GR
Jack Gegenberg hotel (partial)	\$725.37	0%	100%	\$0.00	\$725.37	CRG local faculty expenses for Atlantic GR
Robert van den Hoogen per diem	\$180.00	0%	100%	\$0.00	\$180.00	CRG local faculty expenses for Atlantic GR
Robert van den Hoogen residence	\$274.55	0%	100%	\$0.00	\$274.55	CRG local faculty expenses for Atlantic GR
Sanjeev Seahra hotel (partial)	\$728.14	0%	100%	\$0.00	\$728.14	CRG local faculty expenses for Atlantic GR
Viqar Husain car rental	\$322.44	0%	100%	\$0.00	\$322.44	CRG local faculty expenses for Atlantic GR
Andrew Shoom flight	\$410.97	0%	100%	\$0.00	\$410.97	CRG local postdoc expenses for Atlantic GR
Bradley Creelman flight	\$276.61	0%	100%	\$0.00	\$276.61	CRG local student expenses for Atlantic GR
Colby Chaisson flight	\$409.84	0%	100%	\$0.00	\$409.84	CRG local student expenses for Atlantic GR
D. Leigh Herman flight	\$329.61	0%	100%	\$0.00	\$329.61	CRG local student expenses for Atlantic GR
Dylan Ruth flight	\$300.23	0%	100%	\$0.00	\$300.23	CRG local student expenses for Atlantic GR
Masooma Ali per diem	\$315.00	0%	100%	\$0.00	\$315.00	CRG local student expenses for Atlantic GR
Sharmilla Gunasekaran flight	\$285.54	0%	100%	\$0.00	\$285.54	CRG local student expenses for Atlantic GR
Syed Moez Hassan per diem	\$315.00	0%	100%	\$0.00	\$315.00	CRG local student expenses for Atlantic GR
Uzair Hussain flight	\$269.72	0%	100%	\$0.00	\$269.72	CRG local student expenses for Atlantic GR
James Lucetti flights	\$898.24	20%	80%	\$179.65	\$718.59	Invited speaker (Atlantic GR conference and workshop)
James Lucetti hotel	\$1,017.00	20%	80%	\$203.40	\$813.60	Invited speaker (Atlantic GR conference and workshop)
James Lucetti per diem	\$315.00	20%	80%	\$63.00	\$252.00	Invited speaker (Atlantic GR conference and workshop)
James Lucetti taxi	\$133.00	20%	80%	\$26.60	\$106.40	Invited speaker (Atlantic GR conference and workshop)
Jorge Zanelli flights (estimate)	\$930.00	20%	80%	\$186.00	\$744.00	Invited speaker (Atlantic GR conference and workshop)
Jorge Zanelli hotel	\$678.00	20%	80%	\$135.60	\$542.40	Invited speaker (Atlantic GR conference and workshop)
Jorge Zanelli per diem	\$225.00	20%	80%	\$45.00	\$180.00	Invited speaker (Atlantic GR conference and workshop)
Jorge Zanelli taxi (estimate)	\$100.00	20%	80%	\$20.00	\$80.00	Invited speaker (Atlantic GR conference and workshop)
Jose Pereira flights	\$1,944.46	20%	80%	\$388.89	\$1,555.57	Invited speaker (Atlantic GR conference and workshop)
Jose Pereira hotel	\$1,537.42	20%	80%	\$307.48	\$1,229.94	Invited speaker (Atlantic GR conference and workshop)
Jose Pereira per diem	\$450.00	20%	80%	\$90.00	\$360.00	Invited speaker (Atlantic GR conference and workshop)
Jose Pereira taxi	\$60.00	20%	80%	\$12.00	\$48.00	Invited speaker (Atlantic GR conference and workshop)
Cliff Burgess flights	\$692.34	100%	0%	\$692.34	\$0.00	Invited speaker (Atlantic GR conference only)
Cliff Burgess hotel	\$354.90	100%	0%	\$354.90	\$0.00	Invited speaker (Atlantic GR conference only)
Cliff Burgess per diem	\$180.00	100%	0%	\$180.00	\$0.00	Invited speaker (Atlantic GR conference only)
Cliff Burgess taxis	\$370.00	100%	0%	\$370.00	\$0.00	Invited speaker (Atlantic GR conference only)
Andrew Shoom flight (research trip)	\$440.74	0%	100%	\$0.00	\$440.74	Research trip to Dalhousie and UNB (August 2016)
Bank charges (wireless transfers)	\$40.00	0%	100%	\$0.00	\$40.00	Atlantic GR expenses
Catering	\$2,000.38	20%	80%	\$400.08	\$1,600.30	Atlantic GR expenses
Printing	\$68.86	0%	100%	\$0.00	\$68.86	Atlantic GR expenses
Residence accommodation	\$3,343.39	40%	60%	\$1,337.36	\$2,006.03	Atlantic GR expenses
<b>Total expenses:</b>				\$4,992.30	\$16,514.09	
<b>Total income:</b>				\$4,940.00	\$19,920.00	
<b>Sub totals:</b>				-\$52.30	\$3,405.91	
<b>Overall balance:</b>					\$3,353.61	