



Mathematical Sciences Institute
ANU College of Physical & Mathematical Sciences

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The mathematics of conformal field theory



The Mathematics of Conformal Field Theory" is one of many events hosted by the 2015 MSI special year on "Geometry and Physics" and is a joint enterprise with the Pacific Institute for the Mathematical Sciences Collaborative Research Group (CRG) in "Geometry and Physics". The aim is to bring together international leaders from both the mathematics and mathematical physics communities in a conference setting so as to foster communication and collaboration between these parties.

The topics of the conference include (but are not limited to):

- Higher spin theories
- Hopf algebras (quantum groups and Nichols algebras)
- Lie superalgebras
- Logarithmic conformal field theory
- Mathieu moonshine
- Mock / Quantum modular forms
- Tensor categories
- Representation theory
- Statistical lattice models
- Vertex operator algebras

Conference registration will close 1 July 2015

Organising Committee

- Peter Bouwknegt (Australian National University)
- Thomas Creutzig (University of Alberta)
- Charles Doran (University of Alberta)
- Alexander Molev (University of Sydney)
- David Ridout (Australian National University) - Chair
- Simon Wood (Australian National University)

Keynote Speakers

- Matthias Gaberdiel (ETH Zurich)
- Terry Gannon (University of Alberta)
- Geoff Mason (University of California, Santa Cruz)
- Paul Pearce (University of Melbourne)
- Ingo Runkel (University of Hamburg)
- Hubert Saleur (CEA Saclay / University of Southern California)
- Alexei Semikhatov (Lebedev Physical Institute)

Timetable

The mathematics of conformal field theory

Registration

Attendee information

Financial support

Date

13–17 July 2015

Location

Manning Clark Centre #26A, Theatre 4
[View map](#)

Contacts

Administrative officer

[Send email](#)

+61 2 6125 2897

[Download titles and abstract booklet \(PDF 115KB\)](#)

The mathematics of conformal field theory -- Schedule

Today **August 2015** Print Week Month Agenda

Sun	Mon	Tue	Wed	Thu	Fri	Sat
26	27	28	29	30	31	Aug 1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	Sep 1	2	3	4	5

Events shown in time zone: Eastern Time - Melbourne, Sydney



For information on conference events click the 'Attendee information' tab.

Related events

Baxter 2015: Exactly Solved Models & Beyond (Palm Cove, Queensland, 19-25 July, 2015)

AMSI/UQ/ANU Winter School on Algebra, Geometry and Physics (University of Queensland, 29 June - 10 July, 2015)

IGA/AMSI Workshop on Geometric Quantisation (IGA, University of Adelaide, 27-31 July, 2015)

Conference on "Geometric and categorical representation theory" (Mooloolaba, Queensland, 14-18 Dec, 2015)

Sponsors



UPDATED: 05 August 2015/RESPONSIBLE OFFICER: Director/PAGE CONTACT: School Manager