

THE 2007 ANNUAL CONFERENCE OF THE
AUSTRALASIAN ASSOCIATION FOR LOGIC

SPONSORED BY THE ASSOCIATION FOR SYMBOLIC LOGIC

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The 2007 Annual Conference of the Australasian Association for Logic took place in Melbourne, Australia, on November 9–11, 2007. The conference was organized by Greg Restall, with help from Conrad Asmus, Tama Coutts and Zach Weber, of the University of Melbourne, and Su Rogerson, of Monash University. The program consisted of contributed talks of 45 and 60 minutes in length. Abstracts of the contributed talks that were presented at the conference follow.

For the Organizing Committee
GREG RESTALL

Abstracts of contributed talks

- ▶ CONRAD ASMUS, *Paraconsistency on the rocks*.
Philosophy, University of Melbourne, Victoria 3010, Australia.
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Can commitment to a theory of inference overflow into commitment to non-inferential theories? Specifically, does a commitment to paraconsistency (the view that the inference from a contradiction to any sentence is invalid) commit one to true contradictions? While there is no immediate reason to think so, I will show that, once we take into account the philosophy of validity, paraconsistency drives one onto the rocks of Dialetheism.
- ▶ PHILLIPPE BALBIANI, ALEXANDRU BALTAG, HANS VAN DITMARSCH, ANDREAS HERZIG, TOMOHIRO HOSHI AND TIAGO DE LIMA, *Arbitrary announcement logic*.
Department of Computer Science, University of Otago, PO Box 56, Dunedin 9054, New Zealand, and IRIT, Université Paul Sabatier, 118 Route de Narbonne, F-31062 Toulouse, Cedex 9, France.
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Public announcement logic is an extension of multi-agent epistemic logic with dynamic operators to model the informational consequences of announcements to the entire group of agents. We propose an extension of public announcement logic, called arbitrary announcement logic, with a dynamic modal operator that expresses what is true after arbitrary announcements. Intuitively, $\Box\phi$ expresses that ϕ is true after an arbitrary announcement ψ .
For an example, let us work our way upwards from a concrete announcement. When