

STATISTICS COLLOQUIUM

FRIDAY, MAY 06, 2011

TALK: 4:00 PM — SCIENCE CENTER RM. 705

RECEPTION: 5:15 PM — SCIENCE CENTER, 7TH FLOOR

**“Confidentialising the outputs of statistical analyses
in remote analysis systems”**

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ABSTRACT

In a remote analysis system, users receive outputs from submitted statistical analysis requests but do not have direct access to data. A remote analysis system may involve restrictions on the range of possible requests, modifications to analysis routines, confidentialisation of the underlying data and/or confidentialisation of the system outputs. In this talk I will provide a review of results on remote analysis and discuss how it fits into the current range of measures used to protect confidentiality, such as statistical disclosure control. I will also compare outputs from the CSIRO remote analysis demonstrator system "Privacy-Preserving Analytics" with traditional statistical analysis outputs.